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U. S. Department of Agriculture

THE NATIONAL PROVISIONER

The Organ of the Provision and Meat Industries of the United States.

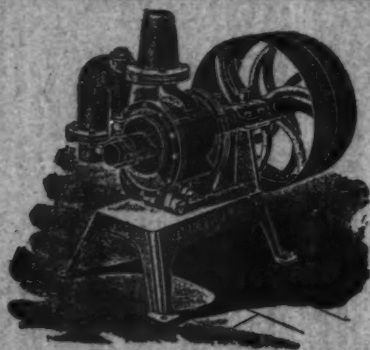
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Vol. XVII.—No. 7.

NEW YORK AND CHICAGO, SATURDAY, AUGUST 14, 1897.

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Single Copies, Ten Cents.



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Oils, Fats, Brine, Glue, Soap, etc.

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12 to 17 lbs.	1.85
9 " 12 "	1.55
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5 " 7 "	.90
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A SPECIALTY.

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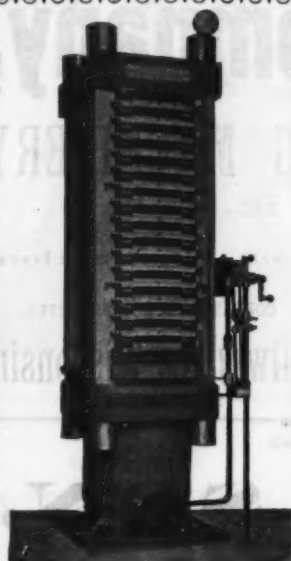
Manufacturers of Refrigerating Machines and Plants of any desired capacity for the cooling of Packing Houses, Abattoirs, Cold Storage Warehouses, Breweries, Dairies, Confectioneries, etc.

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SEE PAGE 7, INDEX TO ADVERTISEMENTS.



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DAYTON, OHIO.

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AND Linseed Oil Mill

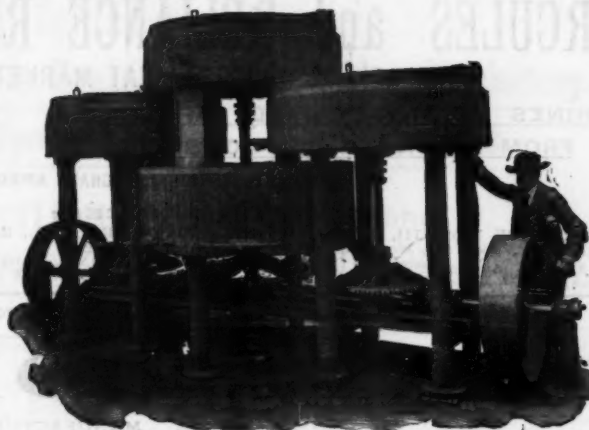
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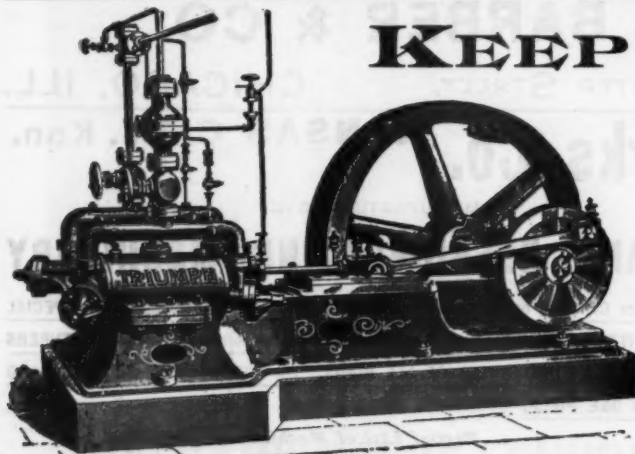
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Index to Advertisements can be found on Page 7.

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PITTSBURGH, PA., Room 702, German National Bank Bldg.
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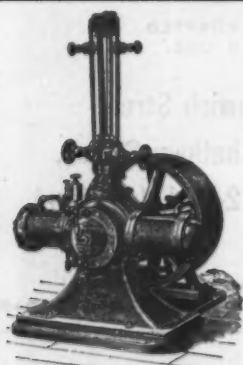
Seamless Steam Jacketed Cast-Iron Kettles, with and without Agitators,

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of any Size or Capacity, on the Compression Principle, also Manufacturers of SPECIAL

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OF PACKING HOUSE MACHINERY OF ALL KINDS. The ROBERTS HOG SCRAPER, LARD

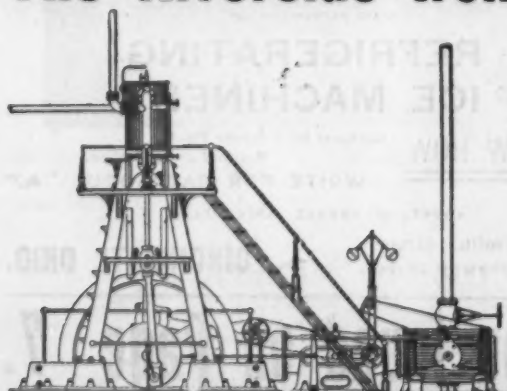
ROLLERS IN ONE PIECE.

....Partial List of Machines in Operation.

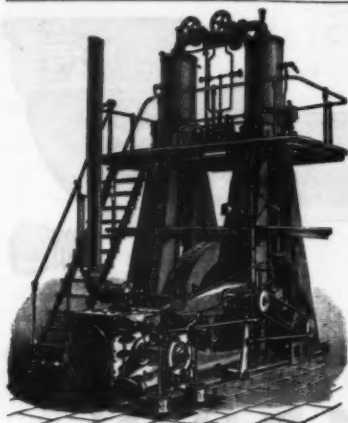
We contract for the EQUIP-
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PLANTS, either for Ice
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eries.

Correspondence Solicited.

St. Louis Ice and Cold Storage Co., St. Louis, Mo.....	1	70-ton	Ref.
Kansas City Ice and Cold Storage Co., Kansas City.....	1	70-ton	"
Reid Bros. Packing Co., Kansas City, Kan.....	2	70-ton	"
Omaha Brewing Association, Omaha, Nebraska.....	1	75-ton	"
Kansas City Ice and Cold Storage Co., Kansas City, Mo.....	1	100-ton	"
Kansas City Ice and Cold Storage Co., Kansas City, Mo.....	1	100-ton	"
Ryan & Richardson, Leavenworth, Kan.....	1	100-ton	"
Jacob Dold Packing Co., Buffalo, N. Y.....	2	50-ton	"
Jacob Dold Packing Co., Kansas City, Mo.....	1	70-ton	"



150 Ton Refrigeration Machine.



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INCORPORATED 1885.

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A. O. FRICK, Vice-President.
H. B. STRICKLER, Treasurer.
EZRA FRICK, Gen'l Man. & Sec.
THOMAS SHIPLEY, Manager Ice
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Corliss Steam Engines. Ice Making Machinery.

High Speed Engines. Steam Boilers.

**Frick Company, WAYNESBORO,
ENGINEERS, FRANKLIN COUNTY, PA.**

Simplest. Best. Lowest Price.

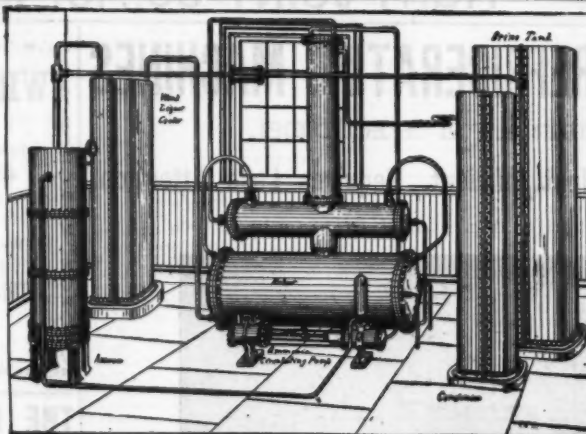
CONDUCT ICE-MAKING OR REFRIGERATING MACHINE.

Uses Less Fuel, Than Any
Uses Less Water Other System

BUILT BY
STEELE & CONDUCT,
JERSEY CITY, N. J.

CORRESPONDENCE

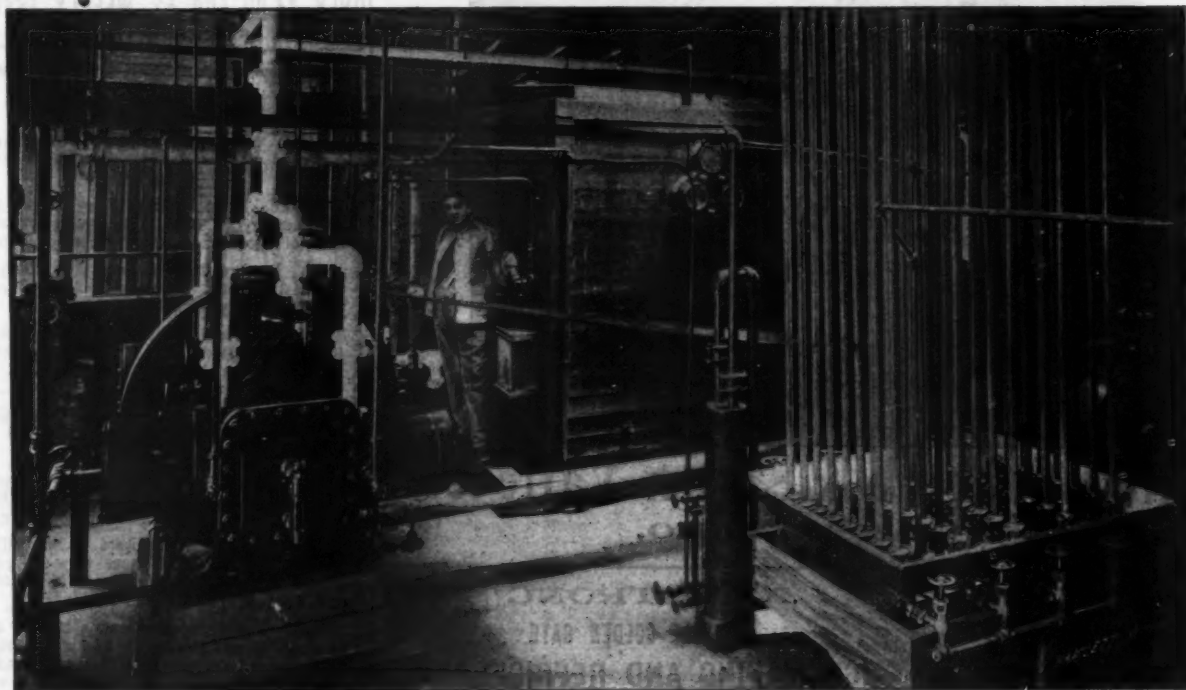
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(PATENTED). CUT REPRESENTS ENTIRE PLANT.

REFERENCE LIST.

KANENBLEY BROS., Provisions,
New York City, N. Y.
THE NEW YORK BISCUIT CO.,
Cracker Mfg., New York City, N. Y.
WALLACE & CO., Confectioners,
New York, N. Y.
CENTRAL LARD CO., Lard Refiners,
New York, N. Y.
BUSH BROS., Provisions,
Jersey City, N. J.
JAMES McILHINNEY, Provisions,
Jersey City, N. J.
D. FULLERTON & CO., Slaughterers,
Paterson, N. J.
MONMOUTH ICE CO., Mfg. Ice,
Seabright, N. J.
FIDELITY WAREHOUSE & COLD
STORAGE CO., General Cold Storage,
Trenton, N. J.
PETERSBURG CRYSTAL ICE CO.,
Mfg. Ice, Petersburg, Va.
WM. GRANT'S SONS, Provisions,
Springfield, O.
ISAAC WHIFFEN'S SONS, Provisions,
Utica, N. Y.
COOKE BROS., Oil Works,
Elizabeth, N. J.
HOTEL MARGARET, Brooklyn, N. Y.



Last week this space contained a cut of the meat room of the Cook County Hospital, Chicago, Ill., and referred to the new refrigerating plant which had been installed. The above shows it fully. The compressor is belted from the small engine in the back ground and hides the brine pump which is near the brine tank. The Condenser is of the vertical evaporative type, economical of water and easily handled. Such a plant is efficient, durable and convenient.

WESTINGHOUSE, CHURCH, KERR & COMPANY,

NEW YORK, 26 Cortlandt Street.

BOSTON, 53 State Street.

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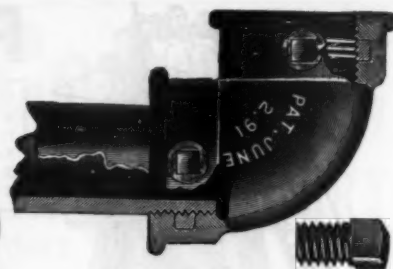
PITTSBURG, Westinghouse Building.

CHICAGO, 171 La Salle Street.

TIGHT JOINT

MALLEABLE IRON

AMMONIA FITTINGS



For ICE & REFRIGERATING MACHINES
NEVER LEAK.
 TIGHT JOINT CO., 181-183 BANK ST., N. Y.

SMALL ICE AND REFRIGERATING MACHINES

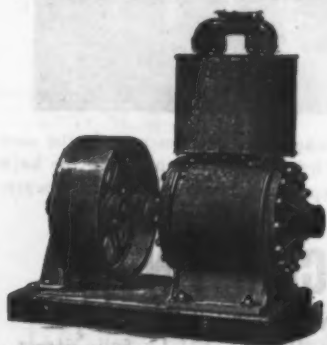
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THIS STYLE $\frac{1}{4}$ to $2\frac{1}{4}$ Tons Refrigerating. OTHER STYLES 3 to 25 Tons.



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PACKING HOUSES, MARKETS, HOTELS,
 CREAMERIES, CLUB HOUSES, BREW-
 ERIES, STEAMSHIPS, ETC.

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WRITE US FOR PRICES

ON CARLOAD LOTS OF

Dressed Beef, Mutton, Veal and Hogs,
 also Sweet Pickled and Smoked
 Meats, Kettle-Rendered Lard,
 etc.

We are in the great Iowa cattle and hog
 belt and think we can do you some good.

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I.—Look upon Trade publicity as being just
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 ance of a good trade paper. It can help you.

II.—Be sure that you spend your money in
 the best channels. Advertisements which cost
 little are usually not worth anything.

III.—If advertising is worth doing at all, it
 is worth doing well. Take a broad view of what
 advertising can do, directly or indirectly, for
 your business.

IV.—Let brains enter into your advertise-
 ments. Have an announcement that will be
 looked at a second time.

V.—Follow up your advertisement with good
 value and genuine attention. Make your firm
 known far and wide for some special feature.

VI.—Do not expect buyers to rush all at
 once into your arms because they see your
 advertisement. Good buyers are like choice
 fish, not caught by the first bait.

VII.—Give as much attention to your ad-
 vertising as you do to your banking account.
 Some advertisers take the smallest possible
 space, crowd it with as much matter as it will
 hold, and then wonder why it does not produce
 a fortune.

VIII.—Be determined that your firm shall be
 among those who will supply the packing houses,
 butchers, markets, slaughter-houses, rendering
 works, sausage makers, soap works, oil mills
 and fertilizer works.

IX.—THE NATIONAL PROVISIONER
 is THE medium for your firm. It goes to BUYERS
 and is read everywhere.

You Can Sell ARMOUR'S WASHING POWDER

2 PACKAGES FOR 5 CENTS.

For particulars write your jobber, or The Armour Soap Works, Chicago.

ARMOUR'S WHITE FLOATING SOAP IS A SURE SELLER. Name is good, quality is good, and price is right.

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LINDE REFRIGERATING & ICE MAKING MACHINE

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G. H. HAMMOND CO.	Hammond, Ind.	2-100	200	FORT MADISON PACKING Co.	Fort Madison, Ia.	2-50	100
SWIFT & Co.	So. Omaha, Neb.	1-100	100	UNDERWOOD & Co.	Chicago	2-40	80
SWIFT & Co.	Kansas City, Mo.	2-100	200	IWA PACKING Co.	Cincinnati, Ohio	1-75	75
OSDART PACKING Co.	Nashville, Tenn.	2-75	150	CINCINNATI ABATTOIR Co.	Cincinnati, Ohio	1-75	75
OSDART PACKING Co.	St. Louis, Mo.	2-75	150	HAMMOND STANDISH Co.	Detroit, Mich.	1-75	75
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ST. JOSEPH PACKING & TRANS. Co.	St. Joseph, Mo.	1-100	100	J. & F. SCHROEDER PACKING Co.	Cincinnati, Ohio	1-50	50
ARMOUR PACKING Co.	Kansas City, Mo.	1-100	100	M. LAING & Co.	Montreal, Canada	1-25	25
				MICHIGAN BEEF AND PROV. Co.	Detroit, Mich.	1-25	25



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STANDARD OF QUALITY
THROUGHOUT THE
WORLD.



ABSOLUTELY DRY AND PURE.

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HOUSTON.—Joe. W. Davis Oil Co.
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SAN FRANCISCO.—Pacific Ammonia & Chemical Co.—Geo. Herrmann.
KANSAS CITY.—Wm. H. Jennings.
ST. LOUIS.—Mallinckrodt Chemical Works.—Larkin & Scheffer.
CHICAGO.—A. Magnus' Sons.—Fuller & Fuller Co.
BUFFALO.—Kast Copper & Sheet Iron Co.

CINCINNATI.—Herman Goepper & Co.
CLEVELAND.—Cleveland Commercial Co.
BOSTON.—Lyons & Alexander Co.
PITTSBURGH.—Union Storage Co.
NEW ORLEANS.—L. M. Brudwig.
DETROIT.—Michigan Ammonia Works.
LIVERPOOL, ENG.—Jas. Simpson & Co.
SYDNEY, AUSTRALIA.—F. W. & P. Hudson.

Armour Packing Co.

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U. S. A.

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PRODUCER'S WHITE LABEL PURE LEAF LARD.
GOLD BAND HAMS AND BREAKFAST BACON.

PRICES MADE ON SWEET PICKLE PORK and
BEEF HAMS UPON APPLICATION.

ALL FRESH AND CURED
MEAT PRODUCTS.

THE NATIONAL PROVISIONER

THE ORGAN OF THE PROVISION AND MEAT INDUSTRIES OF THE UNITED STATES.

PUBLISHED WEEKLY.

ROBERT GANZ. DR. J. H. SENNER.

THE NATIONAL PROVISIONER PUBLISHING CO.

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BUDAPEST, HUNGARY: Maria-Valeriegasse, 12.

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Foreign Countries, except Canada (£1) - 5.00

NEW YORK AND CHICAGO.

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52 PAGES.

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Another brush between wholesalers and retailers is to be recorded. This time the scene is laid in Seattle, Wash. It is another case of the retailer objecting to the wholesaler retailing and underselling the former.

THE RETAILERS' CONVENTION.

A full report of the retailers' convention held in Springfield, Mass., during the week, will be found in this issue of "The National Provisioner." We mean no disparagement to past presidents of the National Retail Butchers' Protective Association when we say that the address delivered on Tuesday by President Franklin, of Buffalo, was the most business-like and sensible and conformed more to our ideas as to how the aims and aspirations of retailers should be directed, than any ever before in the history of the association. We have time and again, year in and year out, expressed the hope that the organization would get down in a good business-like fashion to the serious consideration of just such questions as President Franklin brought before the convention in his excellent opening. It is certainly a compliment to our judgment to find that, even at this late date, our friends in the retail trade have substantially put the stamp of approval upon our suggestions and have set to work in an effort to give them effect. In this connection it may not be inopportune to reiterate that "The National Provisioner" is as representative in the interest of the retail butcher as it is in the case of the biggest packer and slaughterer in the country. Years ago, conventions of the retailers were not much more than holiday gatherings in which chasing greased pigs and exhibition dressing contests played no small part. It could not be said that much business could result because whatever did come up for discussion was of such an intangible character that it was impossible therefrom to shape any good for the subsequent benefit of the craft. No advantage can ever come by debating theories and generalities. We are glad, however, to say that this phase of organized butchery has passed away. The National Association has grown, and with its growth some sound and substantial business men have joined its ranks and interjected intelligent methods of dealing with such problems as confront retailers in the conduct of their business.

The question of credit, referred to at length by Mr. Franklin, is one of the most vital importance to retailers, for in all our experience we have never come across a line of business in which the methods in regard to credit giving are conducted in such a slipshod-pay-as-you-please fashion, as in the butcher trade. Almost every other trade has awakened to the importance of intelligently understanding and dealing with the problem, but, we regret to say, the butchers are still far behind in giving it the attention it deserves. We unhesitatingly say that any retailer who gives credit and does not do so in a systematic way, cannot expect to hold on, not to speak of all of making money. There is money, and plenty of it, to be made in the retailing of meats and provisions, but the retailer who insists on making his hat his office has a fool for a book-keeper. Mr. Franklin spoke of credit on a thirty days' basis. We think this is much too long a time to give to the average consumer. It might be all right where the customer was a big banker, or was known to be well off, but the everyday consumer should be limited to one week. The retailer himself as a rule nowadays does not get any more time than this and why should he give it to others. It requires a good deal of capital in business to buy on a basis of one week's credit and sell on a basis of thirty days. Besides this the risk is considerable. The wholesaler takes very few chances but in many cases the retailer's so-called method is not much more than a gamble.

The department store evil, to which President Franklin also referred, is much more difficult of adjustment than the credit question, although not of equal importance. The

department stores have by existing laws and ordinances a right to sell what they please and many able jurists have given the opinion that any enactments passed to lessen or interfere with these rights would be unconstitutional. It therefore seems to us that the best plan for retailers to work on in dealing with this question is to exercise moral suasion with the wholesalers who sell to the department stores.

Mr. Robert Ganz, of "The National Provisioner," returned from his European trip yesterday, per steamer Fürst Bismarck.

LARGE SLAUGHTERERS SPREADING OUT.

When the large packing houses began years ago to extend their ramifications all over the country by the erection of depots or refrigerators wherever the best opportunities for doing business were seen, local slaughterers one by one found their trade slowly but surely slipping away from them. This has now been going on for a long time, but still there are many slaughterers who hold on with commendable tenacity and find themselves able and competent to compete with their great competitors.

The falling off in home slaughtering and the consequent poor demand for cattle, excepting where they happen to be contiguous to leading market centers, has set many people thinking as to how food supplies in the shape of meats and provisions could be counted upon in the event of any unusual circumstance which would prevent the free movement of supplies. Our readers will recall how near the country came to having a meat famine during the great railroad strike in the West a few years ago. Had that strike been protracted for any greater length of time than it was the anticipated meat famine in the East and other sections of the country which rely on the West for their supplies of cattle, hogs, beef and provisions, would have certainly followed.

We notice now, however, that such a possibility may be averted in the future, because some of the big Western houses have started in to erect abattoirs here and there and so decentralize their business, as it were. The movement to localize production has, up to this, been slow and confined perhaps to the erection of a few smoke houses at certain points, but according to recent news Armour (Packing Co.), Hammond and Cudahy will all erect abattoirs at Denver and slaughter there. This is hardly encouraging or welcome news for home slaughterers who had some chance in competition with refrigerated goods, but will have very little, it seems to us, where the cattle supplies are limited and the bidding for them certain to be brisk.

JOHN CUDAHY.

No luckier man than John Cudahy has been in the speculative arena since speculation became a factor in American commerce. Mr. Cudahy has had a couple of heavy knockouts, but on every occasion he has displayed wonderful recuperative ability and turned the tide in his own favor with lightning rapidity. This fact, coupled with those natural attributes which always endear men to their fellows, has made John Cudahy one of the most popular and best liked men in the country today. He long ago struck that turn in the affairs of men which leads on to fortune, and it is not to be wondered that his investments in the Klondike have turned to gold. Twenty-five million dollars is the modest sum at which a company, of which Mr. Cudahy is the head, has been capitalized at to operate gold mines on the Yukon. These mines will not pan out any more than John Cudahy's friends wish.

If all reports of cattle shortage which reach us be correct, some pretty steep prices may have to be paid for beef before the snow flies.

There is a big salt fight on hand in the West. Salt is a big item in the meat trade and developments are certain to be carefully watched by the packers.

It is a mistake to assume that directly a farmer makes a little money he rushes off to wire off his mortgage. The money now being made from wheat will go into circulation and that is what the country needs.

Kansas City packers have so many orders from Europe that they have been obliged to apply to the Government for additional microscopic inspectors. This is a good key to foreign demand.

Mr. P. D. Armour has given a handsome donation to the destitute miners of Illinois, yet fellows like Debs delight in pointing out Mr. Armour as the personification of monopolistic rascality.

* It is estimated that the consumption of mutton in the United States is increasing at the rate of about 15 per cent. per year. It takes about 12,000,000 to 14,000,000 sheep and lambs to supply Americans with mutton each year. At the rate of increase, it will be seen that a constantly growing number of sheep and lambs must be provided.

* The Springfield (Mass.) Republican is responsible for this item: "A Chicago inventor has perfected a beef tablet for use in the Klondike, so as to save the expense of transportation. He asserts that a tablet the size of a ten-cent piece contains as much nutriment as a quarter of a pound of beefsteak. If the potables are put up in a similar portable form the old tanglefoot days at Poker Flat will be mild in comparison."

ANOTHER NEW SOAP.

Turpentine soaps, which are very popular in Austria, are made of palm kernel oil with a little tallow and 20 per cent. of resin, saponified with 25° lye, and brought to a clear paste. From 5 to 6 per cent. of the black tar obtained by distillation in the manufacture of stearine is added and boiled therewith, the soap being salted out with strong lye or salt. After removing the lye the soap is ground with hot water to make it transparent, and 2 or 3 per cent. of oil of turpentine crutched into the cold soap in the frames. The product, which may also be filled with water-glass, has a fine, dark, almost black color and a pleasant odor of tar or turpentine.

HAVE YOU GOT SOMETHING TO SELL? PUT IT ON PAGE 45. DO YOU WANT BARGAINS? SECURE THEM ON PAGE 45.

PROVISIONS AND LARD.

WEEKLY REVIEW.

A PROFIT-TAKING MARKET, in sympathy with wheat, has been the chief feature since our last. This was continued from the close last week, with only temporary interruptions, well up to the middle of this week, although a sharp falling off in the movement of hogs, from the latter part of last week, occurred this. But the grain markets hung fire until some began to think the bull movement had ended in the whole list, because the big longs began realizing. After a 16c. rise in wheat, a reaction could not have been averted without getting the market into an unnatural and, therefore, unhealthy position. It came, therefore, naturally and without in the least changing the conditions that had caused the big advance, which were legitimate and not speculative, namely, an enormous export demand, based upon a more marked shortage in the supplies of importing countries than a year ago. This is conceded, and it makes little difference in the end whether Europe takes our surplus early in the crop or later so far as the statistical position is concerned, though it does financially. This year our farmers have gotten the benefit of higher prices, because they came early before the crop had moved.

Untold millions less was received for our crops last year than Europe would have been compelled to pay had we but kept our head and pursued the policy prevailing so far this year in the grain markets, which will bring us general prosperity, for the time being at least, by bringing it to the farmers, who must be put on their feet in an agricultural country before other classes may enjoy prosperity.

That we still have a bull market for wheat, therefore, as well as for other food cereals, and an equally bullish position of our feed markets for this crop year, let it be fixed in the minds of speculators and merchants, no matter what temporary reactions and even periods of export inactivity may come. For we have no more than Europe will want of

THE LATEST IMPROVEMENTS IN MACHINERY REPORTED. THE LATEST PROCESSES OF MANUFACTURE DESCRIBED. THE MOST RELIABLE AND UNBIASED MARKET REPORTS ARE FOUND IN ITS COLUMNS. THE NATIONAL PROVISIONER, NEW YORK AND CHICAGO.

any food or feed supplies this year, and she cannot buy at the rate she has been doing for a month past daily. Therefore wait and give her time to digest or store away such an enormous meal as she has taken of late before trying to force more down her throat, and we will find she will come back after each rest with a keener appetite and prepared to take all we have on a rising market. The bull movement has not ended in wheat or other grains, because the original bulls have taken their profits and are trying to break prices back where they can get in again for another big advance. This is just what the present weakness and halt in activity means, and nothing more. The same is substantially true of meats and other food products as of wheat and other cereals, including feed stuffs. They are all in the same boat this year. Europe is not only short of food and feed stuffs, but also of live stock, which she slaughtered to an unusual extent last year in order to avoid importing supplies for feeding purposes, after her native supplies were exhausted. This insures her a short supply of all these staples this year, and after the large stocks of American meats and lard consigned to the other side are reduced both the U. K. and Continent will be better buyers of our hog products. This is expected to happen in October, though it will be remembered two months ago this article noted, on the authority of a Chicago packer, that Europe had bought a large amount of lard to be shipped out of Chicago in July, August and September, chiefly to the Continent, which appears to be going forward the past two or three weeks, during which the shipments of lard out of Chicago have become largely increased. This is but one evidence of a freer movement of hog products into ex-

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EUROPEAN ADVERTISEMENTS.

(SEE PAGES 12, 43 AND 45 ALSO.)

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ports, while meats are also going out of Chicago in increased volume of late largely into home consumption. At the same time, as noted in our last, stocks have begun to decrease at home and abroad, and we have seen an end of the old and worn-out bugaboo of big stocks.

The bears will now have to raise some other scarecrow to keep the speculative public out of these markets, as they did a big wheat crop to discourage bull speculation in that market. All the produce markets are bull markets this year, and the man that gets this squarely fixed in his head first and acts upon it and stops there, will make big money as an investment, as all the signs of these and other times must have failed. Prosperity to the American farmer is already assured, and with this prosperity in all branches of trade with and in the farming sections. We have a return of 1878 to 1880 conditions for the first time since that most remarkable period of prosperity for American farmers in their history, with three large crop years in succession, and big export demand at high prices on three short crop years in succession in Europe. We have already had one of our fat years and Europe one comparatively lean one, but as above stated, we threw away our profit on our last crops, and hence no improvement in times have happened because farmers barely got back their cost of production and had no surplus of profit to spend in buying manufactured goods. This year he has a surplus and is already spending it, and hence better business and trade reports all through the grain sections of the country. This demand for manufactured goods will increase as the season advances, manufacturing industries will be better employed and labor's earnings increase, if not advance, until we realize the prosperity that was offered us a year ago and thrown away.

The meaning of all this is a better demand for hog, as well as all other products, both

home and export, with the opening of fall trade and eventually better prices, no matter what the bear packers may do to keep prices from advancing before they are ready. In this latter question of prices the corn crop is destined to play a part, possibly more important than the general conditions we have explained above; for with 1,800 million only, as now estimated by recognized authorities, instead of the bumper crops of the past two years in succession, present prices for hogs and products will soon be a thing of the past. It is true that one authority lately made an estimate of 2,600 million bushels, but nobody in the trade gave it consideration, as it took no account of actual loss by backward condition and bad crop weather during most of its growth, and of positive damage over large and important areas, not of the extreme doubt of a large part of the crop reaching maturity unless with universally favorable weather for the balance of the season, which would be two or three weeks later than usual. Under favorable conditions therefore a 2,000 million crop is all we are likely on present conditions to realize. The future of hog products, based upon a corn crop of that size or less, offers greater inducements to investors than in their recent history, notwithstanding their present excess of value over the last two years' record prices; for conditions now are becoming normal again, as they have not been for two years or more, and confidence is returning, as shown by the big and sustained advance in railway stocks, based on our big crops and the equally big export demand for all of them at prices that will bring into the country millions more money for the same crops than a year ago.

The decline of 15 to 25c. in hogs at the West the last few days of last week, on the better receipts then noted, caused some holders to lose faith in their position on products and led them to follow the bulls in wheat and realize. But there was good buying at the break, included in which were sales of 5,000 tea. October lard late Friday last in New York, the first option sale reported in that market for months, the sales being at 4.67½@4.70, to close at 4.75. But what, if any significance was attached to these transactions, was not stated, and even the names of the parties thereto were not made public. It is to be hoped, however, that it is evidence of an effort by strong parties to revive trading in this staple in New York, which was once an important option market before Chicago absorbed that class of trade. In Chicago September pork closed on Saturday 15c. off, lard breaking 7½, ribs lost 10 on good trading for a half-holiday. Receipts of hogs there were 7,000 over estimate. But cash trade in New York was flat, and Western tierce lard nominally 4.65, tanks 4.30, city for refining 4.20@4.30, as to quality.

Monday's markets in Chicago opened 5c. up as a rule with hogs, except lard, 7½ higher. English houses sold ribs and Fowler bought lard. The better feeling was partly with smaller run of hogs, partly on cessation of the heavy liquidation of last week by the longs and partly with wheat, but before the close prices broke again. Outside speculation was small, but cash demand was reported very heavy in Chicago. Shipments out of Chicago reported for two days were 2,283,000 lb meats and 1,155,000 lb lard. Monday's hog receipts Chicago were 31,000, against 20,000 Saturday and 17,000 estimated for Tuesday. The heavy movement of grain from West is assigned in part for the smaller run of hogs, the former beating the record at this season on Monday in Chicago, which was 2,678. Shipments of lard from Chicago for the week were increased nearly three times over last year, being 12,045,000 lb, against 4,482,000

do. last year. The much lighter stock of ribs than a year ago in Chicago, however, has not served to give the usual strength to that staple. New York closing prices were 4.60 asked tierce Western lard, 4.25 tanks, 4¼@4¼ for city, 4.50@4.55 for iron-bound do. Shipments of neutral lard for week to Rotterdam were over 5,000 tea., or very heavy. Cash trade throughout the list only jobbing.

Tuesday's markets opened higher West on smaller receipts of hogs and with wheat, but renewed liquidation of longs and selling by packers covered a loss of most of the advance, and options closed only 2½@5 up for the day on pork, after being 15 higher during the day. Lard advanced 7½ and lost 5, closing 2½ up for day, and ribs 7½ to lose 5, and close easy at 2½ advance after a fair trade without special feature in the trading. Cudahy led the selling, as usual, followed by Geddes in lard, while Armour and Swift caused the rally. Hog receipts only 14,000, against 30,000 Monday, with 27,000 estimated for Wednesday. Shipments of lard out of Chicago for the day were 1,510,000 lb again, and of meats 3,570,000, largely for export in both cases. Beef hams were put up again by Nelson Morris, of Chicago, who controls the light supply and makes the market, which he has advanced \$10 per barrel in two weeks, now \$30 for fancy in Chicago, with an active demand reported from the mining and lumber sections. Other kinds of beef were also held firmer at Western points, though New York packers are still quoting at about old prices still on a moderate trade. Kansas City packers have given notice of an advance in the price of dressed beef of about 1c. per lb. Bacon was also advanced 1½c. per lb in that market midweek on increasing activity.

A Chicago despatch said: Cash trade is big in provisions. We will see a sharp advance here before long, but the aim is to shake out the September stuff held by the trade. Those well posted say provision stocks decreased last week in spite of the immense receipts of hogs. Cudahys are selling a little, but not heavily. Swift an open buyer in a small way. Provisions a buy from now on.

But the New York cash markets were small affairs, refining and export demand in lard being light or done West. Cash Western in tierces at 4.52½, tanks 4.27½ nominally, city 4.20@4.25 for refining, 4.52½ iron-bound. Neutral still quoted in good request and firm at 31@32 florins Rotterdam. Sales of pork were 200 bbls. in job lots at old prices, and 2,000 to 3,000 pieces of city pickled hams and shoulders are being jobbed daily to the city and nearby trade at our quotations, and from 5,000 to 10,000 lb of bellies to the local and nearby trade, the latter being firm and the former barely steady. Hogs were a shade easier in the New York market, though firmer at the West. Exporters were not doing much in anything in the New York market.

Wednesday's markets West opened lower on larger receipts and lower hogs, and, of course, selling by the Cudahys, though reports said it was "liquidation," which, we think, should be taken with several grains of allowance, notwithstanding that impression was probably given out to induce other longs to do likewise, and thereby enable somebody to buy their stuff cheap. A 5@10c. decline was thus caused early, but, as usual, it was recovered by noon on good buying, led by the Anglo-American Co., which had been a free buyer of lard for several days. Hog receipts were 28,000, against 11,000 Tuesday, with 26,000 estimated for Thursday, with 64,000 at seven points, against 40,000 last year. Yet these comparisons have ceased to cut much ice. The spot market East was as quiet as ever at 4.60 asked for prime Western lard, 4.15 for city, 4.50 iron-bound do., 4.85 for refined for Con-

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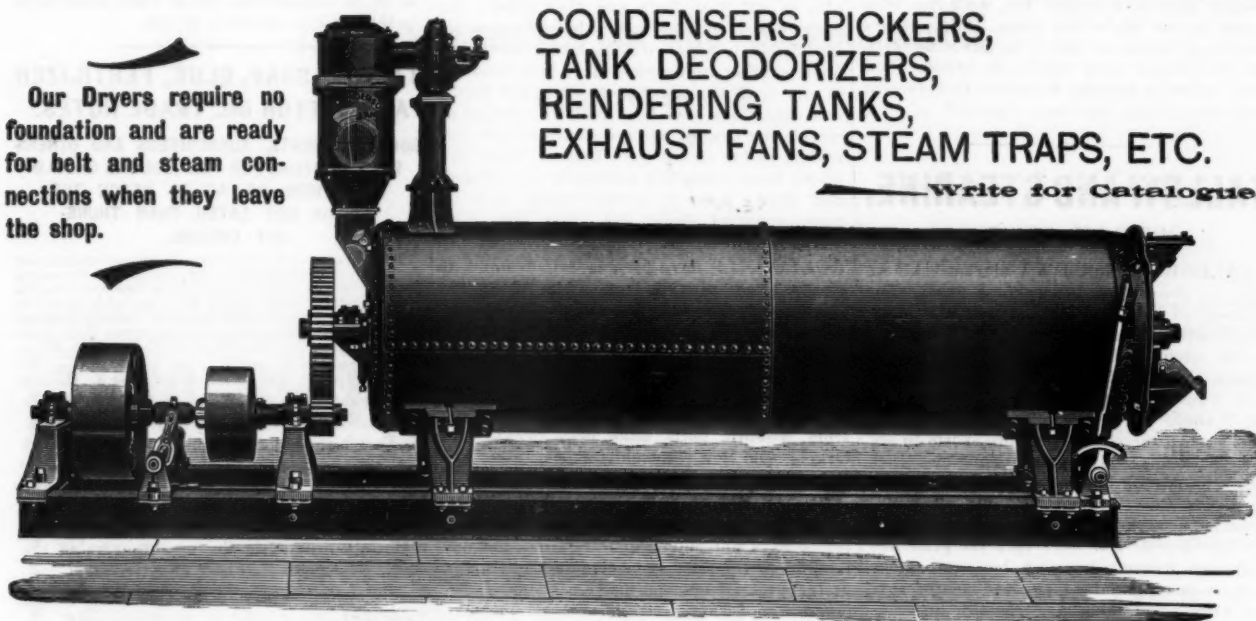
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tinant, 5.25 for South America and 6.35 for Brazil. Sales of pork only jobbing at \$8@8.50 for old and \$9@9.50 for new mess. September pork, lard and ribs in Chicago closed for the day $2\frac{1}{2}$ up, after being 5 higher, unchanged and $2\frac{1}{2}$ off, respectively, in spite of the renewed strength and speculative activity for the bull account in wheat by the old bull party, which failed in its attempt to break the market, and bought back its line at more money than it was sold for, with the price again at the top of the crop. It is well for provision holders to watch the grain markets, for the former must follow the latter. Corn was easier on a more favorable Government crop report than had been expected.

TALLOW AND STEARINE. WEEKLY REVIEW.

TALLOW.—A dull, heavy market is all we have to record for the current week. The mystery of last week's unnatural and unexpected advance in city tallow is now admitted to be such and unexplainable by natural causes, though it is not stated whether somebody was "bluffing with a bobtail flush" and got "called," or whether he "threw up his hand" when there were no more sports to see him. That somebody was short of some other body's brand and had to have a few hundred hogsheads thus labelled was our guess explanation a week ago, and it seems as good as any yet offered. For since then the price has weakened without bringing business; other markets have remained as dead as for several weeks, and there must be fair accumulations now at all points, East and West, as old contracts have been cleaned up some time past, and soap men and exporters alike seem to be supplied for near wants from stocks taken two and three months ago, as their current demand is still of the usual light summer volume and they seem to think that the boom expected in general trade this fall will not overtake beef fats at present. The continued lack of export interest is disappointing, however, as it was expected after our tariff should finally pass that France would take steps to retaliate by higher duties on our products, and that exporters would anticipate this by heavy importations. But not a bit of it, and both England and France seem to be simply "looking at us" without even asking us what we are going to do about it. Yet there is this certainty, notwithstanding all the talk of reduced production of beef fats, we are steadily making more than can be consumed at home, and we must periodically come to an export basis to clear up accumulations. But where an export basis is to be found just now, and at what, it is difficult to see. Accumulations, however, are not heavy as yet nor pressing for sale. No sales to this writing have been reported in city, which has been from nominally 3% in hogsheads at close of our last to $3\frac{1}{4}$, without sales reported, while 50,000 to 75,000 lb country have been sold daily in the New York market at $3\frac{1}{4}$ @3%. Outside markets have been dull with a jobbing trade only reported at our quotations, which are unchanged so far for the week. The only sale reported of city since our last was on weekly contracts, supposed to be at 3%, the last previous price, for 150 hds. Edible

is scarcely quotable, though $3\frac{1}{4}$ @3% is the nominal quotation for country and city.

STEARINES have been as slow and featureless as tallow, with supplies accumulating also, in absence of export demand to keep them down, while home trade has been of the most hand-to-mouth character, even for the dull summer period. There has not been an exporter in sight, and only the smallest compound lard refining demand reported in oleo at $4\frac{1}{4}$ New York and $4\frac{1}{2}$ Chicago, the latter asked. Lard stearines have been easier and firmer in tone with the lard market, but no demand or transactions have been reported in city or Western for home or export trade, and quotations have been entirely nominal at our closing figures. Grease stearines have not moved, so far as reported, East or West, and prices have remained nominally unchanged. But stocks must be accumulating, with no more apparent outlet for these low soap stocks than hitherto.

OLEO OILS have been in fair demand at steady prices ranging from 37 to 40 florins, Rotterdam, for fair to choice brands, at which several hundred barrels have been sold since our last to this writing, while about 3,600 bbls. were shipped from New York by two steamers early in the week. Stocks on other side are still light, though recent shipments from Atlantic ports have been heavy, but largely sold for shipment, which takes the bulk of them off that market.

GREASES have sympathized in tone, both up and down, with lard during the week, yet prices have not moved quotably and demand remains of the same hand-to-mouth character as for weeks if not months past. There is no pressure to sell reported and no great accumulation of stocks. Yet there could be no large amount moved at present, even at lower prices.

ANIMAL OILS have been affected in tone by the changes in the lard market, yet there has not been enough, either up or down, to quotably change prices, as buyers do not follow the higher level of cost easily, and simply take what they want for immediate wants and trust the future for their later wants. Exporters have made some inquiry, but no important business has been reported. Other kinds have been jobbing at quotations without feature or quotable change reported.

Tuesday's markets were reported firmer at the West on choice tallow at 3% for prime packers' and $3\frac{1}{4}$ @4 for edible, 3% for country, but No. 2 was unchanged at 2%, with a moderate local trade only reported there, but holders more confident, as well as in oleo, which they asked $4\frac{1}{4}$ c. for there, on some local demand from compound lard refiners. New York pressers advanced their asking price 5c. Yet it is more than an even chance that less money would have been accepted in both markets had it been bid for lots of any size, either of tallow or stearine. Oleo oil was quiet and unchanged, so far as reported as before noted. There was no change or business reported in greases, except of the usual local jobbing character, as was the case in country tallow to the local soap trade.

Animal oils were moving fairly in a jobbing way at steady and unchanged prices, while lard oil was not quotably changed, yet easier in tone, resulting in pressers selling at prices they have lately refused since the last ad-

vance in lard. A fair home and export trade is doing at 30@37c. for city make.

The markets for beef fats do not yet seem to have joined in the bull procession with other beef and hog products, though the greater confidence of holders may have this for its remote basis. But there does not appear to be anything nearer until exporters come in, as they have done on other American products, but as they still stubbornly refuse to do on soap stocks, which don't seem to be in the path of the boom as yet.

TALLOW, SOAP, GLUE, FERTILIZER AND COTTON OIL TRADE NOTES.

**CORRESPONDENTS, SUBSCRIBERS AND OTHERS
SENDING ITEMS FOR THIS COLUMN SHOULD
MAIL THEM SO AS TO REACH THE
EDITOR NOT LATER THAN THURSDAY
EVENING.**

Tallow, grease, soap, glue, fertilizer, and cotton oil manufacturers could do well to make known their wants in this column, which would result in their being placed in immediate correspondence with the leading firms interested in these lines who carefully peruse these notes.

A company, of which a wealthy Boston leather dealer is one of the principal members, will build a large glue factory in Salamanca, N. Y., which will employ 40 or 50 men. Work will soon be begun. The new factory will be near the tannery of E. C. Fisher & Co., and will use the fleshings from this tannery, as well as those from the tanneries of Gowanda and Cattaraugus, in the manufacture of the glue. The plant will cost about \$30,000.

J. R. Fordyce, James W. Corcoran, W. H. Langford, N. B. and J. B. Trulock, W. L. Dewoody and W. H. Wright, incorporators of the Pine Bluff Cotton Oil Co., of Pine Bluff, Ark., have filed articles of incorporation. The capital stock is \$75,000, of which \$46,025 has been subscribed. For information address W. H. Langford, the secretary.

Elison A. Smyth, president; Thomas J. Martin, manager; and Lewis D. Blake, secretary treasurer, have organized the Money-nick Oil Co., and will erect a 40-ton oil mill and large ginnery at Pelzer, S. C.

A. T. Schmid and associates have incorporated the Victoria Cotton Oil Co., of Victoria, Texas.

Rudolf Meuser, Fred Bihl and Erich Meuser, Jr., have incorporated the San Antonio Soap Works at San Antonio, Texas. The company has no capital stock, but owns property to the value of \$10,000. They propose to manufacture and sell soap.

The Twin City Soap Manufacturing Company, of Minneapolis, Minn., has filed articles of incorporation. It has a capital stock of \$150,000.

The Indianola Cotton Oil Company, of Indianola, Miss., the organization of which has already been reported in this paper, expects to have its plant in operation in sixty days. The company will manufacture all kinds of cottonseed and oil products. The officers are: G. W. Faison, president; G. K. Smith, vice-president, and Walter Faison, secretary and treasurer.

The fertilizing works of William W. Louth, at Greenwich Point, near Philadelphia, were

(Continued on page 18.)

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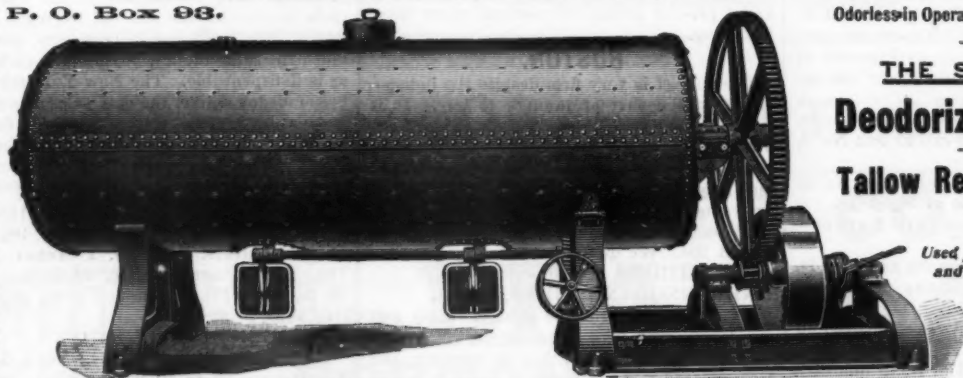
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HIDE AND SKIN MARKETS.

CHICAGO.

PACKER HIDES.—The market is steady with a tendency toward increased firmness. Stock has been in fair request at full prices and the packers continue in their late complacent attitude. They seem imbued with the idea that the tanners are insufficiently supplied and must purchase at ruling quotations. The fact that several of the larger buyers have recently bought at the long figure naturally sustains this impression. As evinced by the following quotations, prices have not changed appreciably since our last report:

No. 1 NATIVES, 60 lb and up, have sold freely, though in small installments, and advanced to 11c.

No. 1 BUTT-BRANDED STEERS, 60 lb and up, are closely sold up and quotable at 9½@10c.

COLORADO STEERS are very firm at 9c. No. 1 TEXAS STEERS, 60 lb and up, have been in some request at 11c.

No. 1 NATIVE COWS, free of brands, 55 lb and up, have moved in fair quantity at 9½@10c. There are few available. Under 55 lb, 10½@10½c.

BRANDED COWS are in better demand and continue to offer at 9½c.

NATIVE BULLS are selling a little more freely and continue to offer at 8½@8¾c.; some old accumulations are offering at 8c.

COUNTRY HIDES.—The main feature of the market is firmness. Receipts are light and closely sold up. The butchers are said to be holding much stock in anticipation of better prices. There is scarcely any change in prices. We quote:

No. 1 BUFFS, free of grubs and brands, 40 to 60 lb, have had some call at 9c.; No. 2, 8c.

No. 1 EXTREMES, 25 to 40 lb, are not in active request and quotable at 9½@9¾c.

BRANDED STEERS and COWS are now offering at 8½c. flat.

HEAVY COWS, free of grubs and brands, 60 lb and up, are not in active demand at 8½@8¾c.; No. 2, 7½@7¾c.

NATIVE BULLS—Small sales reported on a basis of 7½c.

CALF SKINS have sold in small quantity at 11½c. for No. 1; No. 2, 10c.

KIPS (country) are selling freely and are offering at 10@8½c.

DEACONS, under 7 lb, have advanced to 45@47½c.

SLUNKS, 25@30c.

HORSE HIDES are in light supply and continue to sell at \$2.85@3.00.

SHEEP SKINS.—The sheep skin market has acquired increased tone from several substantial sales recently made. The packers are very firm in their views. We quote:

PACKER PELTS, 75c.@\$1.25.

COUNTRY PELTS, 70c.@\$1.05.

PACKER SHEARLINGS, 35@37½c.

COUNTRY SHEARLINGS, 20@25c.

PACKER LAMBS, 42½@50c.

COUNTRY LAMBS, 22@30c.

Some of the packers are reported as holding their late lamb skins at 65c., and shearlings at 45c.

KANSAS CITY.

HIDES.—The packers have again scored a victory in higher prices for hides. At one time it would look as if there would be a weak streak in both natives and in Texas, which after all was not to be wondered at, for during the hot weather of every year trade languishes, tanners seem to think more about keeping cool at the summer resorts, more than anything else, and therefore hides are neglected. The Trust, however, seem de-

termined to keep to the front in purchasing, and whenever it showed weakness they came forward in a broad sided manner and swept most of the large offerings into their lockers. There are then other large tanners who watch the Trust pretty sharply and are sure to come in at the death, so to speak, and obtain a share of the hides offered. Native steers are seemingly firmly entrenched at 10½c., lights 1c. less. Butt brands firmly entrenched at 9½c., lights 1c. less; Colorados moved up to 9½c., but whether they can stand that position or not is an open question; at 9½c. at this season of the year they are decidedly just as cheap as Texas at 10½c., and this is now the figure that they are asking for Texas. Native cows are very scarce, and packers' slaughter that before ran 20 per cent. at this time of the year, are now going not more than 5 per cent. at present of native cows. The Texas are coming in pretty freely and he would be very foolhardy who would dispute that we would not have just as large a run of Texas steers as we ever had; the shortage, if any, would be in cows—and for what will come forward of branded cows there will be a scramble among the packers for—as they require them for their canning purposes. The whole outlook for good times in the country is good, with the single exception of the miners' strike which, no doubt, will be settled in a few weeks. We now therefore look forward if nothing unforeseen occurs for a good steady market in both leather and hides, and while there will be no scarcity of hides for all natural purposes, there will be seemingly no overplus of them. A fair, steady market at about present prices, the outlook seems most flattering.

BOSTON.

The market is very firm despite the indisposition on the part of tanners to buy. It is probable that prices have not yet reached the altitude at which Bostonians are wont to buy. Not many summers ago the price of buff hides was multiplied by three and Eastern tanners who wouldn't consider a purchase at 3½c. participated in a wild scramble to buy at 10c. We quote:

BUFF HIDES, 9½@9¾c.

NEW ENGLAND HIDES, 9c. flat.

CALF SKINS continue light in supply and steady in price.

SHEEP SKINS.—Market is stronger and an increased demand noted.

PHILADELPHIA.

The market preserves a steady tone with tanners buying in accordance with existing demands. There is a general anticipation of a better demand in the near future. There is no change in prices.

CITY STEERS, 9@9½c.

CITY COWS, 8½@9c.

COUNTRY STEERS, 8@8½c.

COUNTRY COWS, 8@8½c.

BULLS (all weights), 7@7½c.

CALF SKINS—Receipts light and prices well maintained.

SHEEP SKINS.—The stock on hand is comparatively light and closely sold up.

WOOL SKINS, \$1.

SHEARLINGS, 30@35c.

LAMB SKINS—40@50c.

NEW YORK.

GREEN SALTED HIDES.—The indefinite leather situation tends to impede business. In view of the continued disparity in hide and leather prices, the tanners feel that there isn't any especial incentive to buy and the brokers report a general calm. The only deals of any size were in branded and natives.

No. 1 NATIVE STEERS, 60 lb and up, 11c.

BUTT-BRANDED STEERS, 9½c.

SIDE-BRANDED STEERS have had some call at 9@9½c.

CITY COWS have strengthened and are now quotable 9½@9¾c.

NATIVE BULLS have gone to 8½@8¾c.

COUNTRY COWS are offering at 9c. selected.

CALF SKINS—For detailed report see page 46.

HORSE HIDES, \$2.50@2.75.

SUMMARY.

The market of the present week offers no new feature. The packers are selling all they can at full prices and the tanners are purchasing as little as their requirements demand. An investigation has revealed the fact that harness leather is in very light supply despite the claim of certain would-be purchasers who recently affirmed that there was a large accumulation of both rough and finished leather in the hands of the commission men. The facts of the case are that the commission element are writing all over the country soliciting consignments which the tanners refuse to ship excepting on a basis of from 2 to 3c. per pound advance. The Chicago market continues very firm and Chicago packers pursue the even tenor of their way with a characteristic serenity born of present prices and future prospects. They scent with a perspicacity indigenous to the Windy City, a continued scarcity of stock, large and early orders and increased opportunity to absorb everything in sight. Boston tanners are not important factors in the present market and are buying reluctantly for present use. The small tanners in Salem, Peabody and Woburn, most of whom have Boston offices, are curtailing their production and are not buying a superfluous hide. Philadelphians are pursuing much the same tactics, buying only such stock as is indispensable. The New York market is by no means active, the only sales of any note having been made by an up-town firm of packers, who sold some natives and branded stock.

CHICAGO PACKER HIDES—

No. 1 natives, 60 lb and up, 11c.; No. 1 butt-branded, 60 lb and up, 9½@10c.; Colorado steers, 9c.; No. 1 Texas steers, 11c.; No. 1 native cows, 9½@10c.; under 55 lb, 10½@10½c.; branded cows, 9½c.; native bulls, 8½@8¾c.

CHICAGO COUNTRY HIDES—

No. 1 buffs, 40 to 60 lb, 9c.; No. 2, 8c.; No. 1 extremes, 25 to 40 lb, 9½@9¾c.; branded steers and cows, 8½c. flat; heavy cows, 60 lb and up, 8½@8¾c.; No. 2, 7½@7¾c.; native bulls, 7½c.; calf skins, 11½c. for No. 1; No. 2, 10c.; kips, 10c. for No. 1; 8½c. for No. 2; deacons, 45@47½c.; slunks, 25@30c.; horse hides, \$2.85@3.00; sheep skins, packer pelts, 75c.@\$1.25; country pelts, 70c.@\$1.05; packer shearlings, 35@37½c.; country shearlings, 20@25c.; packer lambs, 42½@50c.; country lambs, 22@30c.

BOSTON—

Buff hides, 9½@9¾c.; New England hides, 9c. flat.

PHILADELPHIA—

Country steers, 8@8½c.; country cows, 8@8½c.; country bulls, 7@7½c.

NEW YORK—

No. 1 native steers, 60 lb and up, 11c.; butt-branded steers, 9½c.; side-branded steers, 9@9½c.; city cows, 9½@9¾c.; native bulls, 8½@8¾c.; country cows, 9c. selected; calf skins (see page 46); horse hides, \$2.50@2.75.

HIDELETS.

The assignment of A. Fraser, a Duane street (New York City) leather dealer, is reported.

It has been decided that calf skins are hides and consequently subject to duty.

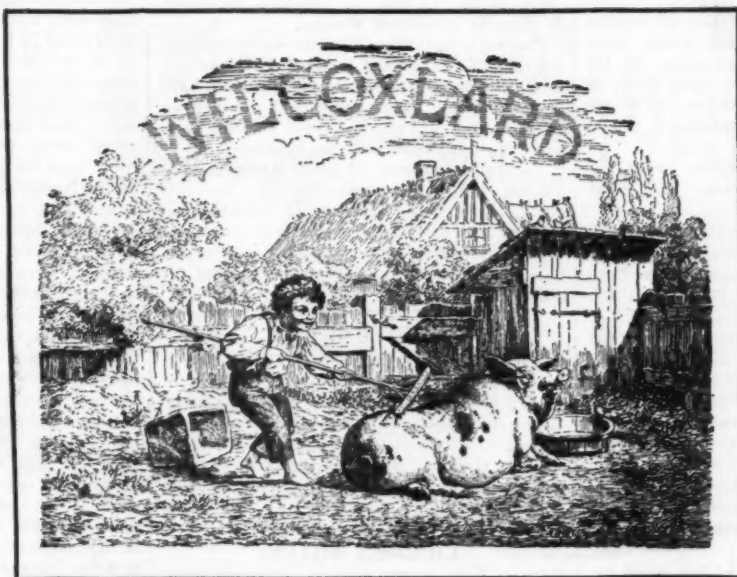
Tanners affected by the new tariff should not fail to avail themselves of the drawback

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**OUR YELLOW BOOK
 SEE COUPON PAGE 22.**

privileges. Daniel F. Putney & Co., of 66 Beaver street, New York City, make a specialty of looking after the interests of tanners in this respect.

The management of the U. S. Leather Co. denies any intention of bonding any of its tanneries.

The clause in the new tariff list providing for the taxation of hides and skins reads as follows: "Hides of cattle, raw or uncured, whether dry, salted or pickled, 15 per centum ad valorem. Provided that upon all leather exported made from imported hides there shall be allowed a drawback equal to the amount of the duty paid on such hides, to be paid under such regulations as the Secretary of the Treasury may prescribe." Paste this in your hat.

The West Philadelphia Stock Yards Co. have reduced wages 10 per cent. The entire force was included in the cut.

M. Kennedy & Co., the Gloversville, N. Y., tanners, have established a Boston agency.

Joseph Hecht, the well-known New York calf skin dealer, is expected home from Europe about Sept. 1.

It is said that G. R. Cottrell & Co., the Gold street (New York City) hide dealers, recently assigned, will discontinue business.

Collector Warren must have felt cowed when the Treasury Department told him that a calfskin was a hide.—The Commercial Bulletin.

From the diversity of opinions entertained on this subject there is evidently a "bull" somewhere.—Hide and Leather.

Says the Canadian Grocer: "Toronto dealers in hides and skins have, of late, been expressing great dissatisfaction at the existing high prices they are forced to pay and at the unhealthy condition which at present prevails in the market. Ever since the rise of a cent in hides of a short time ago, business has not been profitable. Dealers are losing money, for they cannot get $\frac{1}{2}$ c. a lb advance on the prices they are forced to pay. Tanners, too, claim that present prices are too high for the manufacture of leather. In all lines of the trade business is not healthy and is dull. Easier prices in the near future are expected by those engaged in the trade."

TALLOW, SOAP, GLUE, FERTILIZER AND COTTON OIL TRADE NOTES.

(Continued from page 14.)

partially destroyed by fire last week. The loss is stated to be \$45,000, with no insurance.

Preliminary steps have been taken in Hazlehurst, Miss., for the organization of a corporation to be known as the Hazlehurst Cottonseed Oil and Fertilizing Company, to be domiciled at that place, stock to the amount of \$25,000 having been subscribed. The corporation has adopted a charter, and a committee, composed of I. N. Ellis, G. I. Ramsdale, J. A. Covington, R. P. Willing, Jr., R. N. Miller, D. M. Miller, E. B. Conn, W. H. Howard and J. Q. Martin, was appointed with full power to contract for and buy the necessary machinery, to select and buy necessary lands and begin at once the erection of buildings for a cotton oil mill, and put the same in operation in time for the incoming season.

The Victoria (Tex.) Cotton Oil Company has been incorporated with a capital stock of \$30,000, by A. T. Schmid, T. S. Diffy, and J. P. Self.

The San Antonio (Tex.) Soap Works has been organized with a capital stock of \$10,000 for the purpose of manufacturing and selling all kinds of soaps. The incorporators are Rudolph Menger, Fred. Bihl and Erich Menger.

Preparations are being made to double the

capacity of the Covington (Ky.) Cotton Oil Company's plant. A new 125 horse-power Corliss engine will be put in and a 50-bale gin outfit of the latest pattern will be built.

The Phenix Manufacturing Company has been organized in Portland, Me., for the purpose of manufacturing and dealing in all kinds of soaps, powders and cleansing materials, with \$150,000 capital stock, of which nothing is paid in. The officers are: President, E. H. Talbot, of Sharon; treasurer, William O. Arnold, of Sharon.

The soap factory on Clinton street in Binghamton, N. Y., owned by R. R. Griswold, is now in running order. So many orders have been received from local and out-of-town firms, that it will require about two weeks to catch up with those already booked.

The tallow factory of John Maloney, Fair Haven, Conn., was destroyed by fire last week, and a large quantity of valuable machinery ruined. The factory was of wood, and contained several machines for converting bones into fertilizer. These were insured for \$6,000.

OBITUARY.

William J. Monahan, son of Cattle Inspector Monahan, and a member of the firm of W. J. & J. H. Monahan, provision dealers, Worcester, Mass., died last week, after a long illness.

Allen Gregory, better known in Chicago stock yard circles as "Al" Gregory, died Aug. 2, at his home in Englewood, Ill.

CHICAGO NOTES.

There were 85,600 pounds of meat condemned at the Union Stock Yards during the month of July.

The Duddlestone ordinance, requiring those selling smoked and salted meats to pay a license, is being enforced by the city collector.

E. H. FERGUSON, President. B. C. WAGGENER, Treasurer. J. J. CAFFEY, Secretary.

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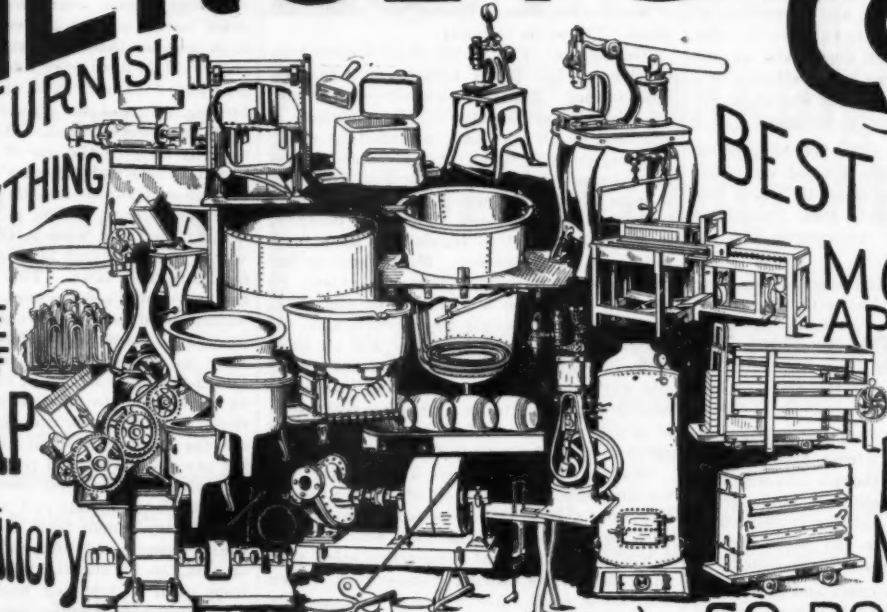
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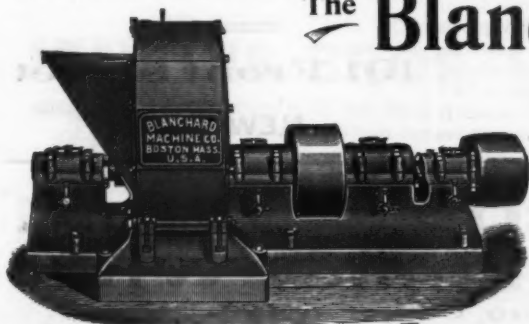
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BLANCHARD MACHINE CO.,

303 Congress St.,
BOSTON, MASS.

year than last, which is a by no means unwarranted expectation for reasons given fully under the head of our Provision Review in this issue. This is to be a more important element in fixing prices of all commodities the coming year than yet realized and is largely the basis of the confidence that has advanced railway shares so sharply in the last three months. The period of making low record prices is past for this time and everything of commercial value is likely to enhance in value from now on, rather than depreciate, as has been the case the past two or three years. We are already emerging from the slough of despond and hardly yet realize the fact.

Sales late Friday last were 200 bbls. prime white, 28c., with 26@27c. quoted on prime summer yellow, though sales in small lots only were reported at $\frac{1}{2}$ @1c. less. Saturday's market was nominally unchanged and as quoted on Friday's close.

Monday only a few small export sales were reported at full prices, but without particulars as to price or amount given, though holders were firmer, if anything. There was some inquiry South on the basis of the sales reported in our last there at the close of last week.

Tuesday's market was dull and unchanged, with reported sales of winter yellow at as high as 33c. New York, though 32c. was also quoted as a price yet obtainable. Home trade reported very small and nothing is said about crude in barrels or tanks any more, as the season for that grade is practically ended.

Tuesday's market was quiet and practically unchanged, with a pretty fair export demand at prices a little under holders' views, though orders to a fair amount are being executed for shipment at full late top prices, as holders seem to abate nothing in their confidence of the future of prices, notwithstanding the bearish crop report of the Government on cotton, indicating a $9\frac{1}{2}$ million crop, and the light rains in Texas drought sections. Yet these seemed to encourage buyers to hold off and see if some concessions from top prices cannot be gained. At the South similar conditions prevail, as the same parties practically control all the markets of the country. But sales so far hardly come up to those of last week.

(For Later, if any see Page 42.)

An interesting experiment is to be attempted next fall in the way of supplying Germany and Austria with "chilled" meat from South Australia. The meat, instead of being frozen, is only chilled and is said to be so similar in taste to fresh meat that only an expert can detect the difference. The process is reported to require much less space in ships than the frozen meat method, and, as the shippers have come to an understanding with the producers for a great reduction of freight charges this Australian meat will be put upon the Continental markets at extraordinarily low prices. Beef and mutton, it is stated, can be delivered on the Continent for about five cents a pound. The undertaking is upon a large scale and promises interesting political and commercial developments.

CONVENTION OF TEXAS COTTON-SEED CRUSHERS.

The Cottonseed Crushers' Association, of Texas, held its third annual convention in Galveston Monday of last week.

The delegates present numbered about seventy-five. The convention was called to order about 10 o'clock by President H. L. Scales, of Corsicana, who delivered his annual address. It was as follows:

"Gentlemen: This is the third annual convention of the Texas Cottonseed Crushers' Association. That the association has accomplished good results for its members is admitted by all who have attended its meetings regularly. When this association was first organized it was the opinion of some that its main object was to control and regulate prices of cottonseed. That is a mistake; it is not its object to regulate or fix a price to be paid for cottonseed. Such would be impracticable for several reasons. -First, because it would be a violation of our State laws; second, it would be impracticable for the reason that there are over 100 oil mills in Texas, with as many different managers, and any sane person knows that it would be utterly impossible to fix a price on cottonseed to which all these different managers would agree to stick for twenty-four hours.

"No, that is not what we are here for, but we are here to meet each other in a social way, once a year, to become better acquainted with each other and in that way 'mellow down,' as it were, that competitive spirit that naturally arises among competitors. Men who know each other well and who socially are friends will not always carry a 'knife up their sleeve' for the other fellow. They will not hesitate to go to the other, talk over and adjust differences that will arise during the course of a busy season. I commend you all to cultivate this spirit. Keep on good social terms with your neighbor and competitors. Do not take it for granted that you are always right and your neighbor always wrong.

"When differences occur, go to each other like men and friends and quietly talk over these differences—talk them over in a conciliating spirit, and all will be well.

"Our association has done good in somewhat reducing the insurance rate paid on our plants. More can be done in that line. I now have the matter up with the proper authorities, looking toward a revision of Texas oil rates, and putting them on a lower basis rate, in keeping with those in effect east of the Mississippi River.

"Freight matters have our attention at times, when attention is necessary. Our worthy secretary and myself keep in touch with our Railroad Commissioners. While it has not been necessary to call the mills together but once on this subject, our coming together at that time and putting in, as a body, our protest, accomplished the desired results.

"Legislation adverse to manufactured goods made largely from cottonseed oil demands our most careful consideration and our vigorous protest. I have carefully studied the situation with regard to this legislation, headed by the National Dairymen's Union, against oleomargarine, commonly known as butterine. It is evident that the success of their efforts

to prohibit the manufacture or sale of butterine depends entirely—mark these words—depends entirely on exciting unwarranted prejudice in the minds of the consumers. That this prejudice is imaginary, and really without just cause, is apparent to every one who takes the trouble to post themselves. All chemists of any repute attest that oleomargarine or butterine is cleaner, purer, and more wholesome than three-fourths of the cows' butter sold or offered for sale. Again, it is notable that in Germany, where great stress is laid upon pure food and where stringent pure-food laws exist, the industry, manufacture, sale and use of oleomargarine is fostered and encouraged. That Government actually adopted the use of oleomargarine in her navy instead of cows' butter, claiming that oleomargarine was the best adapted for the navy's use. When it comes to robust, healthy men and women, Germany leads the world, and this fact is attributed largely to her pure-food laws. Therefore, I conclude that we should resolve ourselves into an association of education. If once we can get the masses to know and understand the matter, their prejudices will be removed, and the question will be settled at once. Just so long as we attempt to educate our State and national legislators instead of the masses, who are the fountain-head of all legislation tending toward correct and reform measures, will we fail and our efforts prove in vain. Educate the labor unions and others who receive a pecuniary benefit from the reduced price of the necessities of life, and you will, in my opinion, be on the right track. Money and time spent in lobbying with legislators only give temporary results; when, if we educate the masses once to the right ways of thinking the work done is permanent.

"Everybody in the South at all interested in the success of the cotton planters, cattle raisers and cottonseed oil mills, should assist in

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IS the best thing out.
ECONOMICAL, uses up 98% of the beef.
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Price, \$25.00 f. o. b. New York or Chicago,	150 lbs. per hour
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**FILL OUT THE COUPON ON
PAGE 26.**

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Shafting, Pulleys, Bearings, Gearing, Etc.

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having the whole people know the truth about this matter, and help to stamp out sectional and class legislation of the worst kind. The introducing of our products into new channels as well as increasing their use in old channels, is best accomplished by making at all of our factories goods of the highest possible grades. Discuss these matters with each other and the best means of obtaining the best results. Our annual meetings afford excellent opportunities for this.

"With the present low prices of lard and tallow, we can expect only low prices for cottonseed oil. The present prospects are that another 'Jumbo' corn crop is being made in the principal hog raising States, which of course means continued low prices for lard and oil for months to come. It therefore behooves the oil mills to be unusually conservative in the purchase of their raw material, seed.

"The course pursued by the mills the past two seasons in buying seed is ruinous, if persisted in. The mill is entitled to a reasonable profit, and the manager who does not get that profit is following the wrong occupation, as machinery will wear out, and the sooner such a manager gets his new occupation the better off will be everybody, especially the stockholders who invested their money in a mill, expecting a reasonable return on the amount invested. Don't buy seed as though each day was the last—there are plenty to go round. Be conservative, and in the end you will be well paid for so doing."

Mr. Scales was frequently interrupted with applause, and his auditors further showed their appreciation of his remarks at their conclusion. The secretary was instructed to invite all mills in the State, not members, to become such.

The following officers were elected before final adjournment: President, H. L. Scales, Corsicana; vice-president, R. L. Heflin, of Galveston; treasurer, Marion Sansom, of Alvarado; secretary, Robert Gibson, of Dallas.

CHICAGO PROVISION MARKET.

The speculative market in provisions for the past week has been very uneasy, and although foreign and domestic demand continues to be good, hogs still continue to come in in large quantities. Some of the interests have been decidedly bearish, but have not been able to keep the prices down. Wednesday of last week was an exceptional bullish day. Prices have declined since but are gradually recovering, the undertone being very strong. It is said that the reason the packing interests are bearish is that a high market now will tend to raise the prices on hogs for the fall kill, and their idea is to keep prices down until they are able to put away their fall stocks, large hog receipts being expected. The Chicago Drovers' Journal, of Aug. 5, says: "Yesterday's Board of Trade markets closed way higher, but hog buyers were not disposed to pay any heed to that fact this morning, and began bidding lower. The provision prices went off sharply and were about as badly out of line with hog prices as at any time lately, but it looks as if the Board ought to get tired of attempts to reconcile hog prices to Board of Trade manipulations. There has been no harmony between them for a year or so now, and the speculative ups and downs of provision prices have only served as talking points in the hog situation. The fresh meat demand and the demand for hams and other meats that are not considered in the speculative list is what must be considered in relation to hog prices. Mess pork is a back number and its ups and downs cut no real figure with the hog market."

Yesterday's market opened strong on small hog receipts, being 13,000 less than estimated.

Packers claim no let up on shipping demand. The Government officials have promised to improve their facilities for inspecting meats and packers feel a little more confident about meeting their obligations. The best demand for futures was from packers against cash business. The selling was in the way of continued liquidation, with the Cudahy's still supposed to be leading in it. There was quite a general commission house selling, brokers evidently working to get customers to take profits. We look for a continued moderate advance in prices on all products.

Packers bought hogs last week as follows: Armour, 33,800; Anglo-American, 16,500; Boyd Lunham, 7,300; Chicago, 2,850; Continental, 13,000; Lipton, 7,600; Morris, 9,600; Swift, 21,700; Butchers, 6,500; making a total of 131,600 against 90,000 last week and 46,500 a year ago.

RANGE OF PRICES.

THURSDAY, AUGUST 5.

	Open.	High.	Low.	Close.
PORK—				
September...	8.10	8.20	8.00	8.07½
LARD—				
September...	4.50	4.50	4.32½	4.37½
October....	4.55	4.55	4.37½	4.40
RIBS—				
September...	4.85	4.87½	4.82½	4.85
October....	4.90	4.90	4.82½	4.85

FRIDAY, AUGUST 6.

PORK—				
September...	8.00	8.00	7.77½	7.90
LARD—				
September...	4.30	4.35	4.27½	4.35
October....	4.35	4.42½	4.32½	4.40
RIBS—				
September...	4.82½	4.85	4.75	4.82½
October....	4.80	4.85	4.77½	4.85

SATURDAY, AUGUST 7.

PORK—				
September...	7.90	7.90	7.77½	7.80
LARD—				
September...	4.32½	4.32½	4.25	4.27½
October....	4.40	4.40	4.32½	4.32½
RIBS—				
September...	4.82½	4.82½	4.72½	4.75
October....	4.80	4.82½	4.77½	4.77½

WM. E. WEBBE & CO. PROVISION BROKERS

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W. J. WEIL, Manager Cash Provision Department.



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CHURNERS Fancy Quality Butterine.

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MONDAY, AUGUST 9.

PORK—				
September...	7.85	7.85	7.65	7.70
LARD—				
September...	4.32½	4.32½	4.25	4.25
October....	4.35	4.37½	4.27½	4.32½
RIBS—				
September...	4.82½	4.82½	4.67½	4.70
October....	4.82½	4.85	4.72½	4.72½

TUESDAY, AUGUST 10.

PORK—				
September...	7.80	7.75	7.72½	7.75
LARD—				
September...	4.30	4.32½	4.27½	4.27½
October....	4.35	4.37½	4.32½	4.35
RIBS—				
September...	4.75	4.77½	4.70	4.72½
October....	4.77½	4.82½	4.75	4.77½

WEDNESDAY, AUGUST 11.

PORK—				
September...	7.70	7.80	7.65	7.75
October....	7.75	7.77½	7.67½	7.77½
LARD—				
September...	4.25	4.27½	4.22½	4.27½
October....	4.30	4.32½	4.30	4.32½
RIBS—				
September...	4.70	4.72½	4.65	4.70
October....	4.77½	4.77½	4.70	4.72½

TIPS ON THE MARKETS.

W. Thos. Nash says: "In spite of the decline in prices I still have faith in provisions and my opinion is the same as it was last week."

The conditions of the provision market is a question with most of the brokers, although all conditions point naturally to an advance in prices, still there is no outside speculation and in consequence no life in the market, very few of them being willing to give an opinion, although most of them have faith in higher prices. The run of hogs continues large, but the quality is not what it has been. Some argue from this fact that they are getting scarce.

Mr. N. J. Weil, of W. E. Webb & Co., says of provisions: "Demand from the South improving, especially for ribs," and at present

(Continued from page 34.)

W. THOS. NASH, BROKER.

Provisions, Lard, Grease, Etc.
240 LA SALLE ST.,
CHICAGO.

THE SCHÖNLAND AUTOMATIC CASING APPLIER.

WEIGHT, 20 lbs.



Sausage manufacturers have for a long time been looking for a machine to run the casings on to the tubes of stuffers. Here we have it, and it will do the work as well as it can be done by hand and in very much less time, thereby saving labor and time, as with this machine one man can stuff as many sheep or hog casings as three or four men can link, besides doing away with the most tiresome work there is in stuffing sausage.

The machine takes practically no power to run, only a 1/4-inch round belt, the same as a sewing machine, and uses no more power than a sewing machine. It does not need an extra operator, as the machine can be used by either one or two men on steam, power or hand stuffers and is never in the way, because when the machine has put on a casing it immediately rises up by itself 8 inches and stays there until needed again. It will run on about 100 feet of sheep or hog casings in about 7 seconds and will handle tender casings just as delicately as the hands of the workman. Two lined wheels go with each machine, but it is only necessary to have one of them on the machine, even when two men are working it; so there is always one wheel in reserve.

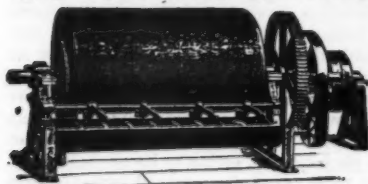
A glance at the cut opposite shows the machine at work and after it has put on a casing.

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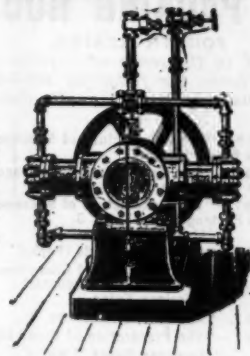
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DILLON & DOUGLASS, New Haven, Conn., and many others.

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**WANT AND FOR SALE ADS CAN
BE FOUND ON PAGE 45.**

TECHNICAL. THE PACKING HOUSE.

FOURTH SERIES.

Included in the series of articles on *The Packing House*, the following subjects have been exhaustively treated on the dates indicated:

- Dec. 26, 1896.—"The Manufacture of Sausage Casings and Packing Same."
Jan. 2, 1897.—"The Manufacture of Sausage Casings and Packing Same." No. 2.
" 9, 1897.—"The Manufacture of Sausage Casings and Packing Same." No. 3.
" "About Beef Extract."
" 16, 1897.—"On Curing Meats (Pork)."
" 23, 1897.—"The Necessity of Cleanliness in the Handling of Perishable Products."
" "American Swine."
" 30, 1897.—"American Swine." No. 2.
Feb. 6, 1897.—"The Preparation of Blood Albumen."
" "American Swine." No. 3.
" 13, 1897.—"Proper Ventilation in Packing Houses."
" 20, 1897.—"Proper Ventilation in Packing Houses." No. 2.
" 27, 1897.—"Proper Ventilation in Packing Houses." No. 3.
March 6, 1897.—"Proper Ventilation in Packing Houses." No. 4.
" 13, 1897.—"Proper Ventilation in Packing Houses." No. 5.
" 20, 1897.—"Proper Ventilation in Packing Houses." No. 6.
" 27, 1897.—"Steer and Hefter Beef." No. 2.
April 3, 1897.—"Steer and Hefter Beef." No. 2.
" 10, 1897.—"Manufacture of Oleo Oil." No. 2.
" 17, 1897.—"Manufacture of Oleo Oil." No. 2.
" "Steer and Hefter Beef." No. 3.
" 24, 1897.—"Manufacture of Oleo Oil." No. 3.
" "Expert Beef Trade." No. 3.
May 1, 1897.—"Manufacture of Oleo Oil." No. 4.
" 8, 1897.—"The Scouring of Wool." No. 5.
" "Manufacture of Oleo Oil." No. 5.
" 15, 1897.—"Beller Compounds." No. 2.
" 22, 1897.—"The Scouring of Wool." No. 2.
" 29, 1897.—"Steer and Hefter Beef." No. 4.
June 5, 1897.—"Steer and Hefter Beef." No. 5.
" 12, 1897.—"Steer and Hefter Beef." No. 6.
" 19, 1897.—"The Process of Thawing Frozen Meats."
" 26, 1897.—"Steer and Hefter Beef." No. 7.
" "Manufacture of Lard and Allied Products."
July 10, 1897.—"Early Lamb Raising."
" 17, 1897.—"No More Hog Cholera."
" 24, 1897.—"The Smithfield Ham."
" 31, 1897.—"The Curing of Meats."
August 7, 1897.—"The Curing of Meats." (Concluded.)

SAUSAGE RECIPES.

HOW TO MAKE FINEST MORTADELLI.

Can be made in summer in the hottest weather, and is well liked. For 100 pounds use (Dutch style) 56½ pounds pork, lean, from hams of light, solid hogs; 26½ pounds lean, well trimmed young beef from neck or shoulder; 16½ pounds fresh white lard, cut into dice about ¼ inch.

The meat named above is previously chopped up, together with 53 ounces fine salt, 4¼ ounces cane sugar, 21-10 ounces powdered potassium saltpeter. Mix the seasoning well and add thereof two-thirds to the pork, and one-third to the beef. Chop the beef fine, the pork more coarsely; then press together and leave at rest in an earthenware vessel for two days. Then chop both kinds of meat together very fine. Now spice as follows: 4¼ ozs. fine white pepper, 1 1-10 ozs. fine white ginger, 1 1-10 ounces mace, 10 pieces of shalots rubbed up fine with salt. The mixed spice is added to the mass; also if possible

6 to 10 lb beef or veal previously pounded into a kind of jelly—with wooden mallets, as explained later on. Knead all up together, add little water to make the mass more easy to handle; when worked one-fourth hour, add the dice of lard; knead one-fourth hour more, and break the mass open several times right and left to make it uniform, without mashing the lard, until the mass appears firm.

Put into sausage machine, press down firmly to avoid air bubbles. Fill into beef end guts free from odor, well dried, 12 to 16 inches long; or use large, narrow calves' bladders, or long, narrow cow bladders, and stuff tightly.

Now let dry, in winter 48 hours in a warm room of 77° F. Smoke evenly in warm smoke, using beech or oak shavings mixed with a few juniper leaves. Let the sausages stand until they are cherry red, then put into tank and scald; those in butt ends to be treated 1¼ hours, those very thick for 2 hours. Scald without having the water boil. When done, on taking the mortadelli out of the tub, the water should run off immediately, leaving the skin perfectly dry. Put into coarse muslin until perfectly cool, when they will be bright red and will retain this color.

Others use the following recipe, which yields a highly palatable product (Italian style): Six pounds raw lean pork, 4 pounds veal, both free from sinews, 5 pounds pickled, then boiled; pork from back, all chopped up fine. Now add 1¼ pounds chopped sardines, freed from bones; 5¼ ounces pistaches, freed from shells; 3 ounces white pepper, 4 to 5½ ounces salt, 5¼ ounces capers, 2 tablespoonfuls best Jamaica rum, 2½ pounds raw back lard, cut into small dice; 6 to 8 pickled, boiled pigs' tongues, cut into strips, from which the white skin has been previously removed.

Now treat as in the former recipe, and wind a string all around as for roulade.

WILL SHIP PROVISIONS TO THE KLONDIKE.

It is reported that Swift and Company will establish a trading post in the Klondike country. B. E. Pancoast, who for a number of years has been manager for Swift and Company at Minneapolis, was in Chicago last Saturday completing arrangements, and left the same night for Minneapolis, from which place he left for Seattle Monday evening. Mr. Pancoast said: "Swift and Company will establish a trading post in the vicinity of the Klondike. I understand the first carload of provisions will be shipped from Omaha Monday, and others will follow in time to catch the boat that leaves Seattle Aug. 28. I am still in Swift and Company's employ, and will look after their interests in Alaska."

A gentleman in Kansas City, who inserted an ad on page 45, the "Want" and "For Sale" page, writes to "The National Provisioner," saying: "I have received some good replies to my ad." This is one of many similar letters that we receive daily. The little ads on page 45 pay the advertisers every time.

OIL MILLING.

NO. 6.

Confirmatory of the closing part of our No. 5, on oil milling, would say, it is a very important matter to have uniform density as well as thickness of material in the preliminary mold pressing operation, so that the subsequent heavy pressure may be evenly distributed on all parts of the cake. By adhering carefully to this principle the distribution of uniform pressure is helpful to the press bagging apart from the avoidance of risks involved in bringing undue strains on the press plates.

Concerning pressure, its correct mode of application with regard to its extent and duration of time maintained, much can be said. Fractical oil millers, upon being questioned upon this important point, reveals a surprising diversity of opinion. One man will be of the opinion that 2,500 pounds pressure to the square inch will suffice for the end in view, namely, the obtainment of a full yield of oil, while another will assert that 4,000 pounds pressure is needed, the length of time in application, differing widely according to the views of each. In this connection it is well to remember that when we speak of 2,500 of 4,000 lb pressure to the square inch, it refers to the pressure exerted by the hydraulic pump on the base of the cylinder plunger or ram. A pressure of 2,500 pounds on the base of a 16-inch ram is very materially lessened when distributed over the area of a 33x11 inch cake. The latter being much more extended the pressure per square inch is correspondingly reduced. It is our belief that however long such a pressure may be obtained, an average oil yield would be impracticable. Nevertheless, we know of a manufacturer who declared he had given this matter considerable thought, and that as he felt that all the oil could be extracted at the comparatively low pressure referred to, and feeling sure that he would effect a very substantial saving in a season's run by the reduced quantity of press cloth needed, owing to its not being subjected to heavy and prolonged pressure, had actually contemplated altering the pressure system from 3,500 to 2,500 pounds. Prior to putting this new departure into effect, the manufacturer referred to consulted the writer as to its feasibility, but whether the suggestions offered condemnatory of the entire proceedings were heeded we are unable to say. One thing is certain, that under the new conditions, if promulgated, with the most ordinary discernment our correspondent would soon realize the great mistake he had fallen into. As a matter of fact, he could not avoid being reminded of his mistake before many charges had been put into the presses. In the first place we question whether a solid cake could be made under such conditions, not to speak of the enormous loss which a single day's running of an average sized mill would entail in the curtailed oil yield. An analysis of cake would probably reveal an oil percentage of from 15 to 18, from which it will be seen that while a saving could be effected in the wear of the press cloth, it could only be accomplished by losing heavily in the oil yield and palpably to an extent which would by far offset any seeming advantage accruing from reduced pressure.

(To be continued.)

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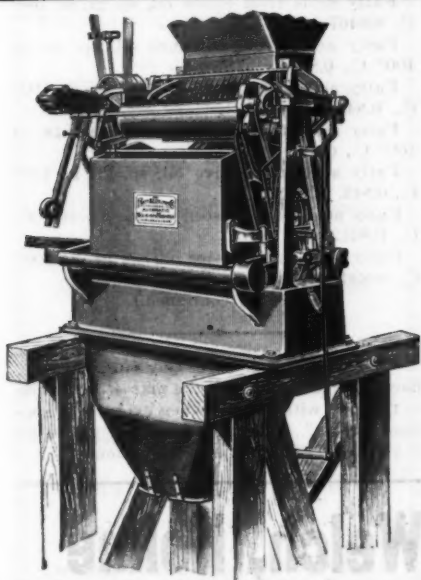
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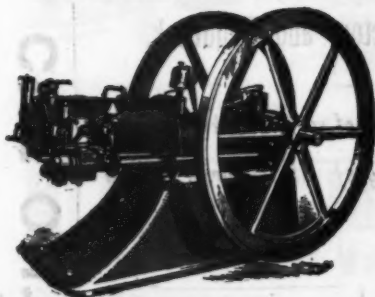
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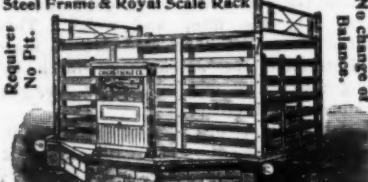
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WANT AND FOR SALE ADS can be found on PAGE 45.

TECHNICAL.

SOAP MAKING.

No. 56.

Alcoholic solution contains the soap and free caustic alkali. Add a few drops of phenol-phthalein and titrate with normal sulphuric acid. The amount used corresponds to the free alkali, which is calculated to NaOH (factor 0.04). Add water and boil off the alcohol, add a little methyl orange and titrate with normal sulphuric acid. Acid used corresponds to combined alkali, calculated as either Na_2O or Na (factors 0.031 or 0.023). Add slight excess of acid, boil, and separate out the fat.

Solution.—Contains glycerine. Evaporate to dryness, after neutralizing with sodium carbonate, extract with alcohol, filter, place the filtrate in a weighed basin, and after evaporating off the alcohol, weigh the residual glycerine.

Residue is the fatty matter. Dry and weigh it. Take half of it and dissolve it in alcohol, add phenol-phthalein and titrate with normal alcoholic soda. From the amount used the molecular weight of the fatty acids may be calculated. Add ether, and dry powdered silver nitrate (Glauber's test, see further on); shake well, and allow to settle.

Precipitate consists of the oleate, stearate, and palmitate of silver with excess of nitrate of silver; it may be neglected.

Solution contains resinates of silver. Filter from the precipitate, wash the latter with a little ether, transfer the filtrate to a separating funnel, add water, sufficient dilute sulphuric acid to decompose the resinates, and some petroleum ether if necessary, separate the ether layer and run it into a weighed glass, evaporate off the ether and weigh the residual resin.

Residue from the alcohol contains Na_2CO_3 , NaCl , Na_2SO_4 , Na_2SiO_3 (or corresponding potassium salts), starch, and any mineral matters. Treat it with a little water, and filter through a weighed filter.

Solution.—Divide into four equal portions, a, b, c and d, and test each as follows:

a. For Na_2CO_3 or K_2CO_3 , titrate with normal H_2SO_4 with methyl orange, calculating the result to Na_2CO_3 or K_2CO_3 .

b. For NaCl or KCl. Titrate with standard AgNO_3 or weigh as AgCl . Calculating to NaCl or KCl.

c. For Na_2SO_4 or K_2SO_4 . Weigh as BaSO_4 , calculating to Na_2SO_4 or K_2SO_4 .

d. Na_2SiO_3 or K_2SiO_3 . Decompose with HCl and weigh the residual silica. (See above).

Residue contains starch and added mineral matter. Dry the filter and weigh. This gives the amount of starch and mineral matter. Determine the amount of starch by Fehling test. The mineral matter may be determined by difference.

Some difficulty is often experienced in the process of digesting the soap with alcohol if an ordinary beaker be employed; to overcome this extraction is proposed, in a Soxhlet extractor with alcohol, the soap being contained in a narrow glass vessel similar to a weighing bottle, but with perforations at the bottom and in the lid. The holes at the bottom are covered with ignited asbestos fibre, over which a layer of filter paper, and finally a glass disc with fine perforations are placed. The bottle thus prepared is dried at 105°C . for an hour, and then weighed. From 5 to 6 grammes of the soap, cut in thin strips, are weighed into the bottle. This is then heated for two hours on the water bath, dried at 105°C ., and weighed. The loss in weight gives the amount of water in the soap.

The bottle without the lid is then placed in the Soxhlet extractor, and its contents extracted with neutral alcohol for about six hours. After complete extraction, the bottle and its contents are dried at 105°C ., and weighed, the result giving the amount of "filling material" in the soap. The determination of mineral substances, dextrin, gelatin, etc., in this is carried out in accordance with the usual methods.

Since the extraction is made with neutral alcohol, the amount of free fatty acids or alkalis in the alcohol extract can be directly titrated with standard alkali or acid.

Low's method of analysis of a sample of soap is the following: Five grams of the soap are weighed into a flask, which is next placed in a hot-air oven, and dried to constant weight, the loss being water. The soap is now treated with 50 to 100 cc. of neutral alcohol, the flask and its contents being heated to boiling, on a water bath, to effect solution; then normal hydrochloric acid—the volume used being noted—is run in as will decompose all carbonate present and a small proportion of the soap; the mixture is heated to the boil to expel the carbon dioxide. Phenol phthalein is next added, and the mixture titrated back with normal caustic soda. The volume used deducted from the volume of acid added in the first instance leaves the volume of acid required to neutralize the free alkali and carbonate in the soap. To the same solution lacmoid or methyl orange is added as an indicator, and standard acid run in; this will give the amount of combined alkali in the soap.

To determine the fatty matter, add alkali to re-convert the fatty matter into soap, boil off the alcohol, add more water to redissolve the soap, then add hydrochloric acid in slight excess; heat the mixture to melt the fatty acids, and cool, with constant stirring, so as to cause the fat to separate out in curdy masses. When cold, filter through a filter paper or Gooch crucible, wash with cold water, then dry the acids slowly. Next place the filter over a weighed flask, dissolve the fat acids by washing with hot alcohol; to the filtrate in the flask add phenol phthalein, and titrate with standard caustic soda. There is now present in the flask a solution of a neutral soap made from the original fatty acids; this is evaporated to dryness and weighed; the amount of soda added in the titration deducted from this weight gives that of the fatty acids present, while, from the quantity of soda used and the amount of fatty acids found, the combining weight of the latter can be calculated.

THE FATTY MATTER OF SOAP.

The most difficult problem a soap analyst has to undertake is the examination of the fatty matter to ascertain the nature of the oils from which the soap was made. This branch of soap analysis demands a wide experience and a thorough knowledge of oil and fat testing, while he must be prepared to de-

vised methods of working according to the results he is obtaining. In this chapter little more can be done than to indicate the lines on which the fat may be examined to ascertain its character.

The analyst should make himself familiar with the physical properties, appearance, odor, etc., of the fatty acids from various oils, so that he may be able to recognize them when he sees them.

To the fatty acids obtained from the soap the following tests may be applied:

SPECIFIC GRAVITY AT 100°C .—This may be determined either in a small specific gravity bottle, or in a Sprengel tube, as may be most convenient.

The following are a few constants that will be of service:

Fatty acids from palm oil sp. gr. at 100°C ., 0.8369.

Fatty acids from cotton oil, sp. gr. at 100°C ., 0.8467.

Fatty acids from cocoanut oil, sp. gr. at 100°C ., 0.8354.

Fatty acids from rape oil, sp. gr. at 100°C ., 0.8438.

Fatty acids from ground nut oil, sp. gr. at 100°C ., 0.846.

Fatty acids from olive oil, sp. gr. at 100°C ., 0.843.

Fatty acids from linseed oil, sp. gr. at 100°C ., 0.8612.

Fatty acids from castor oil, sp. gr. at 100°C ., 0.896.

(To be continued.)

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Answers desired by mail should be accompanied by a stamped, addressed envelope.

Persons desiring not to be known as making an inquiry should add a *nom de plume* to their questions. By so doing they will avoid identification in this column. The correct name and address should, however, for the publisher's satisfaction, accompany each request for information.

N. Y. S., OHIO.—The silver standard prevailed in Austria-Hungary up to 1892. The law of August 2 of that year established the gold standard.

R. A. C., CINCINNATI.—The case is too intricate for us to advise you. You had better consult a lawyer. It would be the safest and most satisfactory thing to do under the circumstances.

W. G. H., NEW YORK.—As to your query in relation to the contents of the recently published book on the "Manufacture of Lardseed Oil and Varnishes," see prospectus of same on page 50, in this issue.

CONSTANT READER.—If you will please read the conditions printed at the head of this column, under which correspondents are supplied with information, you will see that we do not pay any attention to anonymous letters. We do not require the name of the author for publication, but we do require it for our personal information.

R. A. D., PORTLAND.—The objects of the National Association of Retail Butchers are, first, to prevent, wholesalers selling to hotels, restaurants, boarding houses or to consumers generally; second, as a protection against that class who do not pay their bills; third, to promote fraternity and benevolence among its members.

MR. MICHAEL CUDAHY'S ESTIMATE OF THE SITUATION.

"In the twelve months ending last August," said Michael Cudahy, "the world's stock of lard increased 291,000 tcs. In the past twelve months we have killed a great many more hogs than we did the preceding, and yet my expectation is that the world's stock of lard Aug. 1 will be around 573,000 tcs., or a decrease for the year of about 50,000 tcs. In other words, such has been the lard consumption during the last twelve months that, with a bigger slaughter, there has been a decrease in supplies of 50,000 tcs., compared with an increase in supplies the previous twelve months of 292,000 tcs.—evidence of an increase in consumption to the extent of around 340,000 tcs. To make that explicit, it is only necessary to bear in mind stocks—Aug. 1, 1895, 332,000 tcs.; Aug. 1, 1896, 623,000 tcs., and Aug. 1, 1897 (estimated, of course), 573,000 tcs. The Fairbank statement may show my figures a little out of the way, but not, I believe, very much. [It will be seen that Mr. Cudahy's estimate was nearly correct. The Fairbank statement published last week, showed stocks of lard August 1, 1897, 577,554 tierces; August 1, 1896, 623,786 tierces.—Ed.] There exists every incentive for a continuance of this extraordinary lard consumption. It is the cheapest product on the list. It used to be considered a purchase when it was at 1c. premium over ribs. It cost about 1½c. over to make. It is selling now at almost ¼c. discount. Lard is really not much over the price of the live hog on the hoof, about \$3.85 for loose lard and with the best hogs selling around \$3.70. The biggest consumer, the Continent, which takes three-quarters of the

lard product, promises to be a particularly heavy consumer this year. The people over there are prosperous and in a position to buy, and then they have not got the hogs of their own. The Danish are up to 7c. a pound, against 5c. last year. Austro-Hungary, which furnished Germany such a vast amount of lard last year, is drawing on Hamburg this season. One must not forget, either, that lard is not to escape the general improvement in feeling or the world-wide advance in price. We are just moving into the four great months of consumption, August, September, October and November. Last year during that period there was a decrease in stocks of 140,000 tcs. We do not need to keep up even the consumptive rate of the past twelve months to decrease from Aug. 1 to Dec. 1 this year 250,000."

THE REFRIGERATOR SERVICE.

The United States Department of Agriculture is taking an interest in the Canadian cold storage and steamship refrigerator service. Inquiries have been received by shipping men in Montreal from the Bureau of Animal Industry at Washington asking whether butter made in the United States and forwarded for shipment through Canada would be received and promptly exported by the Montreal steamers; and, providing the vessel which sailed next after the arrival of such United States butter in Montreal, should have no room for it what would become of it? Inquiry was also made as to through rates to Liverpool, Manchester and London. The questions, it was stated, were the result of inquiries from the West sent to the Bureau at Washington. It is learned that the reply sent is likely to be satisfactory. There is now provided ample refrigerator service from Montreal to Great Britain all the Canadian freight that offers, and the Bureau was informed that the United States butter would be received and promptly exported is sent by Montreal.—Montreal Gazette.

A WELL-KNOWN FOREIGN COMMISSION HOUSE.

Among the well-known and reliable commission merchants "on the other side," whose announcements to the trade appears in "The National Provisioner," the name of the firm of Brüder Bak, of Vienna, Austria, whose ad is on page 12, should not be overlooked. This firm desires to represent first-class houses in benzine grease, bone grease, yellow and white grease, stearine, oleo stearine, tallow, lard, cottonseed oil, etc., and solicit correspondence upon the strength of having the highest references.***

THE MARKING OF PRODUCE IN ENGLAND.

The Select Committee on the Agricultural Produce (Marks) Bill is receiving evidence which shows that the demand for marking is, to a large extent, an answer to the outcry of the "distressed agriculturist" for something to relieve his woes. The details which the investigation brings forth reveal the insular prejudice which exists among the masses against American products, while displaying the ingenuity of the tradesman in openly pandering to the sentiments of his customers while really disposing of the latter under home brands. American hams are today sold in France and Germany, as well as in England, under Canadian and other brands, tariff opinions having something to do with the action of the former countries, the mode of importation not being direct. The aim and scope of the proposed measure is to further increase the prejudice now existing against imported articles, but, as shown, the passing of this law would be harmful to the consumers, as a diminution in the importation of provisions would mean higher prices for the poorer people. The closing part of the evidence may be accepted as a tribute to the genuine character of American provisions, although not intended as such, showing that the probable results of a law such as referred to would in the end prove advantageous to the American articles, the home products losing in popularity correspondingly. The evidence of a prominent member of the English provision trade herewith given before a sitting of the Select Committee on the proposed bill, will be read with interest:

Mr. John Kellitt, of Liverpool, a member of the City Council and a Justice of the Peace for the city of Liverpool, said that he was president of the Federation of Grocers' Associations, president of the Liverpool Grocers' and Provision Dealers' Association, director of Fowler Brothers (Limited), and a retail grocer and provision dealer for forty-five years. He appeared before the committee at the request of the Grocers' Federation to represent the views of the retail provision trade. The Federation had about 10,000 retailers connected with the affiliated association. The Federation understood that the committee could only receive two witnesses from the retail provision trade. The Federation respectfully urged that that limitation was serious as preventing the committee from hearing views of the retail trade on the provisions of the Agricultural Produce (Marks) Bill. The retail provision trade, which would

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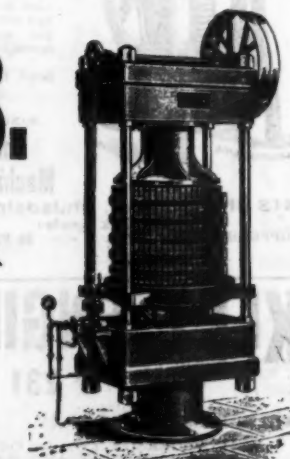
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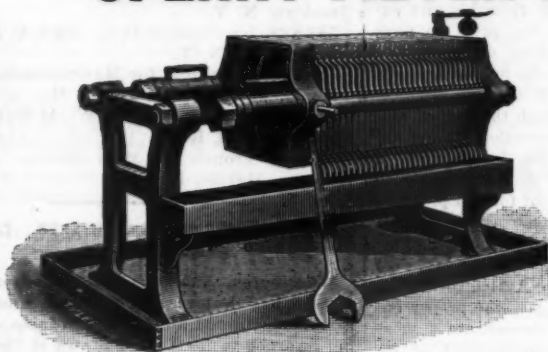
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Elsewhere in this Issue.**

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DO YOU WANT A POSITION? TRY A
LITTLE AD. ON PAGE 45.**

be largely affected by the bill, had never had an opportunity of expressing its views on the subject of marking. Before Lord Onslow's committee, several retail butchers were called, but no retail provision merchants. Witness's experience was that retailers desired to conduct their business honestly, and not fraudulently. In an experience of forty-five years he had not known any systematic fraud in the retail sale of foreign produce. As a rule, people did not ask the nationality of bacon, cheese, or butter. They selected their purchases according to their taste and the appearance of the cut they had a preference for and the price they were prepared to give, leaving the quality to the judgment of the shopkeeper with whom they were in the habit of dealing. A retailer having any experience in his trade had no difficulty in distinguishing the nationality of the article he was selling. (Witness here produced hams and bacon of various kinds, and showed the distinctive characteristics.) The shopkeeper when he ticketed generally attached the names representing the recognized cuts, or modes of curing. (A number of photographs were here produced, issued by Fowler Brothers, who, it was stated, branded every side "American produce," just as many of the British curers branded theirs Irish or Wiltshire, or Limerick or Waterford, as the case might be.) That brand was used as an advertisement of the curer, as it was not necessary for the information of the wholesaler or retailer, whose practical knowledge enabled him to tell at once the country of origin. The chief imports of bacon and hams came from the United States, and the best classes of the meat were branded by the proprietors of registered brands in order that they might thus advertise their produce to the retail trade, and create a demand for their own special goods. Those brands were, however, no guide to the public, as the sides of bacon were cut up, and thus the brand was destroyed. If the brand were put on every piece of bacon sold, it would advertise more effectively than by any other means the cut, cure, and quality of any particular cure or nationality of bacon. If such branding on each piece were insisted upon it would prove most objectionable to the consumer. Would any member of the committee like to have his morning rasher marked with a rubber stamp or to see his grilled ham needle marked "American produce" by electric or other means? The Federation did not object to branding as it was at present practiced, but they objected to the proposals of the Agricultural Produce (Marks) Bill, for the following reasons: (1) It has never been proved, and it is not within witness's knowledge, or the knowledge of those he represents, that there is any systematic fraud in the sale of foreign produce. A careful analysis of the prosecu-

cutions brought by the Bacon Curers' Association shows that the convictions were of highly respectable tradesmen, who may have been proved guilty of some highly technical offense, which, however, involved no question of fraud on the public or dishonesty on the part of the shopkeeper. In some cases, such as that of Mr. Sumner, of Birmingham, it was proved that the Bacon Curers' Association was most absolutely wrong in their judgment of the true quality or source of origin of the article, and the Federation most strongly protests against any private firms forming themselves into a league for the purpose of harassing honest shopkeepers, with attempts to get them convicted of technical offenses. In my opinion, in ninety-nine cases out of a hundred, if the shopkeeper were asked the nationality of the article he is selling, the questioner would receive a truthful answer, but such a question is not asked, as a rule. The poorer class of buyers do not understand the difference between the bacon of Denmark, America, and Ireland, and if they did they would choose that which suited their taste and pocket, without troubling from whence it came. The better class of buyers might sometimes, from sentiment, inquire for English bacon, but even these are unable to distinguish between real Wiltshire bacon and so-called Wiltshire bacon cured from Irish pigs, and certainly cannot tell the difference between Waterford and Limerick bacon, though the retailer or the wholesale man knows the difference partly from his own experience and partly from the price he pays in the open market. (2) That no systematic fraud having been proved, the proposal to register shopkeepers who sell foreign produce, and to compel them to publish the fact of registration would be a most uncalled for and unreasonable interference with the freedom of the individual trader, and would be likely to cause him to push the sale of foreign produce, to the detriment of the home article, on account of the bitterness which such interference would arouse against the latter. (3) That if the proposals of the Agricultural Produce (Marks) Bill became law the proper enforcement of them would necessitate a most costly machinery in the appointment of inspectors and other officials, which would prove most burdensome to the local ratepayer, while it would not give any benefit to the home producer, or any added protection to the consumer against any wilfully dishonest trader. It is evident that the persons instructed with the enforcement of the act must have special qualifications and training, as otherwise grievous mistakes might be made and serious injury result to the retailer. This is emphasized by what occurred in Messrs. John Sumner & Son's case at Birmingham, when, although the person giving evidence had been employed for four years past by the Bacon Curers' As-

sociation, and devoted all his time to that work he made a most egregious blunder. (4) That if the proposals of the Agricultural Marks Bill were carried out by law, the tendency would, as it is doubtless intended, create a prejudice against the foreign article. If that prejudice led to the falling off in the importation of foreign produce, it would compel the poorer classes to pay higher prices for their food than they have to do at present. At their recent conference in Liverpool, the Federation passed a resolution as follows: "That this Federation warmly approve of the action already taken by the General Purposes Committee of the Federation on the Agricultural Produce (Marks) Bill, and would urge upon the committee the vital necessity of taking prompt action with the view to having evidence submitted to the committee of the House of Commons on behalf of the family grocers and the purveyors of the United Kingdom on the subject, as the bill in its present shape will inflict severe hardships and heavy expense on the trade, without in any way accomplishing the ends at which it aims, and would, in our opinion, be the means of giving unnecessary advertisement to foreign produce, to the detriment of the home article."

RECENT PATENTS AND TRADE-MARKS.

587,688—Grinding Mill. Max F. Abbe, Brooklyn, N. Y.

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588,057—Trough for Meat Blocks. Jacob L. Foltz, Merville, Iowa.

HIDES OF FOREIGN SLAUGHTERED CATTLE DUTIABLE.

Washington, Aug. 11.—Assistant Secretary Howell has decided that hides of American cattle slaughtered abroad are dutiable on being returned to the United States at the rate of 15 per cent. ad valorem under section 437 of the new tariff. It is held that taking the hides from the cattle, salting and drying them, materially changes and improves their condition as an article of commerce, so that the article imported is entirely different from that exported.

The weekly reports in "The National Provisioner" on Provisions and Lard, Tallow and Stearine, Cottonseed Oil, Hides and Skins, etc., are trustworthy, impartial and up-to-date. That is one of the reasons why you need it. Subscription price \$4 per year.



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BEEF ALWAYS ON HAND.**KINGAN & CO., Ltd.,**Pork and Beef
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PAPER MAKERS,

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PACKING HOUSE NOTES.

Manufacturers of machinery and fixtures interested in these notes, should also consult the items under Ice and Refrigeration, and other trade news columns in this paper.

Employers in want of help, and employees in search of positions, and such wanting to dispose of machinery or desiring to purchase same should look at our **WANT AND FOR SALE COLUMN** on page 45.

Persons contemplating the erection of packing houses or in need of packing house machinery will do well to make their wants known in this column. The foremost firms in the lines mentioned closely peruse the notes on this page, and prospective purchasers of machinery would be placed in immediate communication with them.

* It is reported that Swift and Company and Armour & Co. have had buyers on the Western ranges after sheep, and that these companies have bought 600,000 head in Montana, Texas, New Mexico, Washington and Oregon. The Western growers were short of supplies, it is stated, and ran prices up to \$5.10 per 100 lbs. Prices are now back at \$3.75. The Western growers have been made rich.

* The Houston (Tex.) Abattoir and Packing house was expected to begin active operations Wednesday last, with a daily capacity of 300 hogs and 150 cattle. The enterprise is in the hands of practical and experienced men, and the business will be pushed. A tannery is already in contemplation.

* A Buffalo chopper with mixer, good as new, is offered for sale cheap, on our "For Sale" page, page 45.

* The Fairbank Canning Co., of Chicago, has issued the following notice to the trade: "Please do not sell any more Andrews Brand Corned Beef. We are sold away ahead and cannot expect to catch up for a month or six weeks; therefore, cancel Andrews Brand off your price list."***

* Mr. Howe, a representative of the well-known Armour meat firm, has been visiting New South Wales and Queensland, says the Pastoralists' Review, with the object of ascertaining whether his firm will be warranted in establishing a canning factory in Australia.

* John Musson, C. E., 204 P. Bridge Road (Forest Lodge), Sydney, New South Wales, Australia, is desirous of securing catalogues of deodorizing condensers, bone crushers, fertilizer machinery and cotton oil mill machinery. Mr. Musson says: "We are beginning to grow cotton here and manufacture artificial manures. I may mention that there are no customs duties here with the exception of liquors, tobacco and a very few other articles; our port is practically a free port. I sent a paragraph cut from your paper to our Sydney Herald on the subject of the duty on hides. I notice that they have published it. Our bootmakers complain that their trade is much injured by the large importations of boots and shoes from America that are admitted free of duty here, and doubtless they would be

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WATERPROOF, ACID PROOF, ALKALI PROOF.
AIR-TIGHT, ODORLESS, TASTELESS.**BIRD PAPER MFG. Co.**

98 MAIDEN LANE, NEW YORK.

glad if the duty on hides in America would be high enough to stop re-importation of such goods."

* Judge Mitchell, of the Tioga County (Pa.) court, handed down a decision last week, by which, if it stands, the Chicago dressed meat houses doing business in the Keystone State, will be required to pay the regular State mercantile license. The decision was hinged on the case of the State against the Blossburg, Pa., branch of Swift and Company. The latter firm had refused to pay the \$30 mercantile tax imposed, and appealed the case to the higher court, when the decision in the lower tribunal was against them. Much interest was manifested in the question involved in this appeal, which was raised for the first time in that State, for if the Commonwealth succeeds in maintaining its tax upon this company, all the similar companies throughout the State will be subject to the tax. The case will undoubtedly be carried to the Supreme Court.

* The National Live Stock Commission Co. has been incorporated in Fort Worth, Texas, with a capital stock of \$15,000, by Sam A. Hatcher, Thomas P. Bishop, J. F. Grant and others.

* John Morrell & Co., the pork packers, of Ottumwa, Iowa, have let the contract for three new smokehouses and lard refineries, one six stories high and the other two four stories, which will cost over \$100,000.

* Fullerton & Co. have secured the contract to erect a two-story brick slaughter

house 28 x 74 feet in the rear of No. 2635 Church street, Bridesburg, Pa.

* Zender & Moes, New Riegel, O., are in the market for machinery for the manufacture of bologna sausage.

* During the month of July there were received at the stock yard in South Omaha 60,003 cattle, 151,495 hogs and 25,637 sheep, as compared with 40,526 cattle, 96,878 hogs and 21,410 sheep during July, 1896, an increase of nearly 20,000 cattle, over 55,000 hogs and 4,000 sheep. For the first seven months of the year still better figures are shown. The receipts have been 384,822 cattle, 943,508 hogs and 378,534 sheep, as compared with 259,424 cattle, 717,976 hogs and 161,841 sheep for the first seven months of 1896. This is a net increase of 125,398 cattle, 225,532 hogs and 216,693 sheep.

* During the early part of last week architects and engineers were working in the vicinity of the Swift and Company packing house at South Omaha, and it was learned from manager E. C. Price that extensive improvements and an enlargement of the plant are under serious consideration. Plans are being made for a large addition to the plant, the expenditure for which will amount to nearly \$250,000. Mr. Price says the company has been hampered for some time by the large increase in business and the absolute necessity for spreading out has been recognized. He said it had not been definitely determined whether the addi-

(Continued on page 36.)

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NO RUST SPOTS ON TIN.
NO DISCOLORING OF LABELS.**

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PROVISIONS,
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FULTON MARKET.

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Hudson Ave.,
BROOKLYN, N. Y.

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ARE THE FINEST IN THE WORLD.

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OUR KETTLE RENDERED LEAF LARD CANNOT BE EXCELLED.

... 20 Harrison Street, New York.

HALSTEAD & CO.,

Packers and Provision Dealers.

200 FORSYTH ST., NEW YORK.

Registered Cable Address "Roomfull," New York

See Coupon on Page 26.

WANT AND FOR SALE ADS, can be found on PAGE 45.

TIPS ON THE MARKET.

(Continued from page 22.)

prices he considers ribs a good purchase. D. S. bellies very scarce and bringing fancy prices; some of the packers converting extra clears, extra ribs and short ribs into bellies and backs to meet the demand for these cuts. Extra clears and extra ribs within 5c. of short ribs, while D. S. bellies command from $\frac{3}{4}$ to 1% premium, according to average. There has been an excellent demand from the Continent and from the South for fat backs and prices advanced sharply. Picnics very scarce, Continent taking them freely at higher prices. The duldest thing on the list is hams, and they are by far the cheapest now. Some trade for September hams past few days. He considers hams a purchase, both for August and September at present prices, in fact, would advise buying most everything in provision line at present prices.

ICE AND REFRIGERATION.

Those interested in this subject should not forget to look also at Packers' and Slaughterers' Notes, and other trade news columns in this paper.

Employers in want of help, and employees in search of positions, and such wanting to dispose of machinery or desiring to purchase same should look at our WANT AND FOR SALE COLUMN on page 45.

Persons in need of an Ice Machine or Refrigerating Appliances should make their wants known to us. Their publication in this column which is perused by the leading ice machine manufacturers in the country would bring scores of replies.

—A new organization has been formed in Louisville, Ky., called the Ice Distribution Company. C. A. Cox, formerly manager of the Louisville Cold Storage Company, is at the head of the concern. In speaking of the organization, Mr. Cox said: "Our object is not to form a corner on the ice market, but simply to act as distributing agents for the various factories. We think that both buyer and seller may be benefited by this arrangement. We have secured contracts from several of the largest manufacturers, and expect soon to control practically the entire output of the city. We expect to act simply as wholesalers."

—Moyer & Winnaugle have succeeded Gilbert & Winnaugle in the ice business in Middletown, Pa., James Moyer having purchased the interest of Charles Gilbert. It is said the plant will be enlarged.

—J. P. Curtiss has purchased the machinery of a large artificial ice plant in Boston. He will take the outfit to New Britain, Conn., and increase the capacity of his own plant there.

—F. A. Mans, of Indianapolis, Ind., of the Eagle Ice Co., speaking of the improved business conditions, said: "Agricultural conditions

are better than for years past. This is stimulating our prospects for favorable business throughout the winter. The Merchants' Association is being heard of in my section, and I have no doubt that it will have a large constituency in Indiana."

—The Filtered Lake Ice Company of New York City, has been incorporated to harvest natural ice and manufacture artificial ice: capital stock, \$10,000. Directors—O. B. Beals, Morell B. Beals and John D. Beals, of New York City.

—The Grand Jury in San Francisco, Cal., has recommended cold storage for the morgue in summer, as used in Eastern cities.

—The International Ice and Cold Storage Co., Vancouver, B. C., has purchased the creamery business established by Messrs. Major & Eldridge. The directors of the company are R. O. Atkins, J. M. Mackinnon, A. McAllister, A. N. Johnston and Capt. J. J. Dogan.

—The artificial ice plant in Sonora, Cal., is to be made larger in the near future. H. A. Preston, of Jamestown is the proprietor, and means to add further improvements.

—The Paducah (Ky.) Ice Company has absorbed the Rieke ice plant in that city.

—The Vilter Mfg. Co., manufacturers of refrigerating and ice making machinery, Corliss engines, etc., of Milwaukee, Wis., have recently closed contracts with the following parties: Albert Brewing Co., Washington, D. C., one 25-ton refrigerating plant; Consumers' Brewing Co., Roslyn, Va., one 50-ton machine (second order); McKeesport Brewing Co., McKeesport, Pa., one 50-ton refrigerating plant; Roslyn Packing Co., Washington, D. C., one 35-ton refrigerating plant; Emil T. Raddant, brewer, Shawano, Wis., one 20-ton refrigerating plant; Pabst Brewing Co., Baltimore, Md., branch, one 5-ton machine; Illinois Creamery Co., Elgin, Ill., one 35-ton refrigerating plant; Dallas Dressed Beef and Packing Co., Dallas, Tex., direct expansion piping for their chill rooms and coils for ice tank; Eagle Roller Mill Co., New Ulm, Minn., one 22x42x48 cross-compound condensing Corliss engine; S. S. Stadvold, miller, Fosston, Minn., one 12x30 Corliss engine; John H. Kurth & Co., brewers, Columbus, Wis., one 12x30 Corliss engine.***

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FW. BIRD & SON, EAST WALPOLE, MASS.

KANSAS CITY LIVE STOCK REVIEW.

The live stock records for past week show hogs higher, with cattle and sheep fairly steady. Receipts past week and comparisons as follows:

	Cattle.	Hogs.	Sheep.
Kansas City	47,401	72,212	15,720
Previous week	38,041	58,486	15,473
Chicago	57,600	174,700	71,300
Omaha	13,900	43,800	8,500
St. Louis	20,700	31,900	12,900
Kansas City	47,500	79,000	15,700

Total	139,700	329,400	108,400
Previous week	114,800	249,100	90,500
Same week 1896	112,600	158,700	90,900
Same week 1895	126,700	111,300	97,300
Same week 1894	127,000	310,500	70,600
Same week 1893	100,300	135,900	73,800

	Cattle.	Hogs.	Sheep.
Armour Pack Co.	10,239	23,929	4,798
Swift and Co.	8,163	18,787	3,158
S. & S. Co.	5,281	1,721	1,799
Fowler Son & Co.	135	11,165	235
J. D. Pack. Co.	801	6,700	260

Total	24,639	62,307	10,481
Previous week	22,775	50,961	12,075
Same week 1896	19,241	22,294	8,465

For a few days in past week it seemed as if there would be a regular old-fashioned stampede of cattle, so as to utterly demoralize the market; happily a good rain changed the complexion of the whole matter. It will be remembered that the large corn crop last year in Kansas drew more cattle during the fall and winter to her domains so that the numbers of feeding animals were never so large before in the State's history. Very little rain falls in Western Kansas, so that the late hot weather dried up the pools, and even streams; even the lack of rain filled the farmers of more Eastern counties with consternation and dread—reports came quick and fast that the corn was burning up, that there would be no crops, not enough to seed the coming spring. Then, utterly demoralized, cattle were rushed on the market—cattle thin, young, unfit for packers' slaughter, fully two-thirds totally unfit for any person except the feeder. Prices went down quickly. The

(Continued on page 40.)

REFRIGERATING MACHINES

For PACKERS, BUTCHERS,
COLD STORAGE,
WAREHOUSES, ETC.

A First-Class Plant Pays.

DIRECT EXPANSION,
BRINE STORAGE, and
BRINE CIRCULATING SYSTEMS.



STALLMAN COMPRESSOR.

We are the Sole Manufacturers of the
STALLMAN COMPRESSOR

For Simplicity, Durability, Efficiency and Economy
in operation, THEY HAVE NO EQUAL.

OUR SPECIALTY:
2, 4, and 6-TON MACHINES FOR SMALL PLANTS.

For Power we furnish ELECTRIC MOTORS,
GAS, GASOLINE or STEAM ENGINES. Estimates
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THE
DE LA VERGNE REFRIGERATING MACHINE CO.
Manufacturers of
Refrigerating AND Ice-Making Machines
AND ANHYDROUS AMMONIA.

Read the following AWARD from the DIPLOMA received by us from THE WORLD'S COLUMBIAN EXPOSITION.

AWARD.

For production of Anhydrous Ammonia Compressors for refrigerating purposes, of First-Class Efficiency, Durability, Design, Workmanship and Finish, having a pair of vertical double-acting compressing cylinders, operating from two cranks driven by a horizontal double-acting steam engine, occupying a minimum floor space for given capacity, with automatic devices for circulating oil through the compressing cylinders for the purpose of securing perfect displacement of gas, of absorbing the heat of compression so as to require no water-jackets.

For first-class design of the ammonia condensing apparatus, involving the use of a special line of pipe-fittings and valves, of superior strength and completeness; for an excellent arrangement of cooling-water distributing surfaces and liquid ammonia collecting pipes, and complete provision for conveniently operating, cleaning and repairing all parts of the system so as to secure steady action under the most economical conditions.

For successful application of the principles of artificial refrigeration, by the direct expansion of ammonia.

For a complete system of constructing Refrigerating Plants and manufacturing specially designed appliances therefor, all of which are undoubtedly the most elaborate and complete fittings for this purpose yet introduced. The exhibitors adhere to the practice of making all pipe joints with screw threads, sealed with a special solder, which is undoubtedly the most secure method of making joints in ammonia work.

Approved.—W. A. JAMES,
Vice-President Departmental Com.

(Signed) J. E. DENTON,
Individual Judge.

Approved.—JOHN BOYD THACHER,
N. H. Chairman Executive
Committee on Awards.

WE BUILD THE MOST SUBSTANTIAL AND DURABLE MACHINES AND PLANTS FOR REFRIGERATION
AND ICE-MAKING MADE IN THE WORLD. THE RECORD MADE BY OUR PLANTS IN OPERATION IS A PROOF
OF THIS FACT.

WE MAKE NO GUARANTEES WE CANNOT FULFILL.

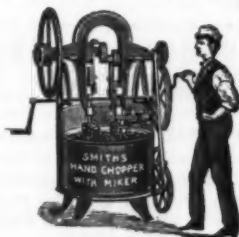
MAIN OFFICE AND WORKS: FOOT OF EAST 138TH STREET, NEW YORK.

BRANCH OFFICES.

PHILADELPHIA, Pa., Girard Building, cor. Broad and Chestnut Sts.
ST. LOUIS, Mo., 8th St. and Park Ave.
CHICAGO, Ill., 507-508 Security Building, Madison St. and 5th Ave.

NEW ORLEANS, La., 712 Hennen Building, Cor. Carondelet and Common Sts.
CINCINNATI, O., 511 Neave Building, Fourth and Race Streets.
BOSTON, Mass., Tremont Building.

Smith's Patent Celebrated Buffalo Choppers with Self-Mixers, used the World over.



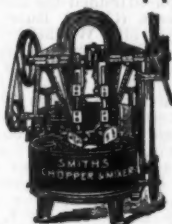
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HAND CHOPPER**
IN THE WORLD.
Chops and mixes 30 lbs. fine
in 15 minutes. Runs easy
and is Strong and Durable.
Send for Lowest Prices.



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Best Mill ever put on the Market.
It pays to grind your own spice, then
you know it is pure.

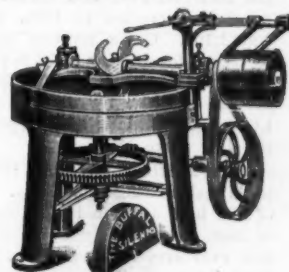
Buffalo Chopper, Chops, Stirs and
Mixes at one time.



Best Lard Mixer ever Invented.

(Patent Applied for.)
75 to 800 Gallons Capacity.
MODERATE PRICES.

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Latest Silent Cutter.

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**SAVE YOUR
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THIS PAPER WILL BE VALUABLE
TO YOU IN YEARS. SAVE IT! WE
WILL SELL YOU A BINDER HOLD-
ING 26 NUMBERS, TOGETHER WITH
A PUNCH FOR \$1.50.

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BINDERS WITHOUT PUNCHES, \$1.00.

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My ad. went in this paper, and
I found he told no lies,
Business soon was booming, when I
Began to advertise.

ESTABLISHED 1876

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**TALLOW, GREASES AND SOAP
MAKERS' MATERIALS,**

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**BUTCHERS' FIXTURES
Boxes, Tools, Etc.**

Ice Houses for all purposes.

Fish and Oyster Markets fitted up.

All Orders Promptly Attended to.

505 West 45th St., New York.

PACKING HOUSE NOTES.

(Continued from page 32.)

tion would be constructed this fall or early in the spring, but it was practically settled that an increase in the capacity of the plant would be made. In addition to this expansion Mr. Price said: "A number of improvements will be made at once in the plant in the way of adding the latest improved appliances for conducting the business. Among other things the cold storage room will be fitted up with vestibules which may be extended to the doors of the refrigerator cars which are to be loaded, thus keeping the temperature of the cold storage room and the car at the lowest point without admitting the warm air from the outside. Other equally modern inventions will be utilized in making the plant perfect and increasing its capacity as much as possible pending the settlement of the plans for enlarging."

* Official figures as given by the Sioux City (Ia.) Stock Yards Company, for July show that the receipts for the month were 327 cars, 11,856 cattle, 434 cars, 28,799 hogs; 4 cars, 395 sheep, 1 car, 27 horses. As compared with June receipts there is some decrease but compared with July last year the supplies of both cattle and hogs were nearly doubled, showing an increase over July, 1896, of 139 cars, 5,648 cattle, 190 cars, 13,075 hogs. Receipts for the seven months of the year to date foot 3,636 cars, 150,071 cattle; 2,974 cars, 198,930 hogs; 30 cars, 2,802 sheep, and 4 cars, 77 horses as compared with 1,833 cars, 72,254 cattle; 2,542 cars, 167,513 hogs; 41 cars, 5,092 sheep; 6 cars, 103 horses, the corresponding time in 1896, being an increase of 1,803 cars, 77,817 cattle; 432 cars, 31,417 hogs; and a decrease of 11 cars, 1,290 sheep and 2 cars, 26 horses. The total number of cars received during the month of all kinds of live stock was 766, being 433 more than for July last year and the largest on record for July excepting in 1890, when the total was 1,104. Cattle receipts were the largest on record for July by 5,152 head, the previous largest run being 6,704 in 1890. The smallest run of cattle for the month of July was 1,603 in 1893. Hog receipts were the largest for July since 1894.

* The abattoir of William Harris, of Toronto, is fast nearing completion. It will be one of the best appointed plants for the killing of beef and sheep in Canada, and it is the first ever erected in Toronto. The capacity of the house will be about 150 cattle and 1,000 sheep daily. It is being erected at the Stockyards Cattle Annex. The architects of the building and machinery contractors are William R. Perin & Co., Chicago. The house is to be equipped with an ice machine and all appliances for power killing. A great deal of credit is due Mr. Harris for his enterprise in undertaking the handling of the business in an up-to-date manner. All beef is killed at present in small slaughter houses, with no chilling accommodations.

* In a circular issued August 2, it is held

at the Treasury Department that animals which have strayed across the boundary line of the United States or have been driven across the line for pasturage purposes must be returned within six months from the date of departure to avoid an import duty.

* The new public market in Grand Rapids, Mich., is expected to be ready to open by Aug. 18.

* The erection of the Central Market House in Kansas City, Mo., was expected to be begun this week, and the building will be finished Oct. 1. The incorporators and the number of shares they hold, are: Charles W. Armour, 20; O. H. Dean, 20; J. L. Morgan, 20; Anna M. Mason, 16; Margaret Schaefer, 10; C. J. Hubbard, 10; J. H. North, 24; L. E. Baird, 10; Homer McWilliams, 8; A. C. Wurmser, 4; Louis H. Cahn, 4; A. Silverman, 4; A. N. Church, 4; J. M. C. Lord, 2; G. W. Lovejoy, 2; C. J. Riper, 2; J. A. Boppart, 2; L. B. Cross, 1; E. D. Hornbrook, 1; S. Harzfeld, 1; C. H. Howard, 2; W. B. Thayer, 2; F. H. Kump, 3; Charles Campbell, 2; A. L. Askanas, 2; A. Hyman, 4.

* There is a probability of a new market house being built on East Pearl street in Cincinnati, O.

* The business of the Indianapolis packing houses last month was considerably in excess of July, 1896. The business of Kingan & Co., last month was the largest business in the company's history for July. The Abattoir company is well under way with its business and is slaughtering a good many hogs and cattle. Coffin, Fletcher & Co., have been shipping large quantities of provisions for some weeks past. Southern trade has been good and the Eastern States have been liberal buyers, while the export business is very heavy. Since the beginning of the summer packing season Indianapolis packers have killed 384,000 hogs, as against 339,000 for the corresponding period in 1896. The reports from twenty packing points show that there have been killed 7,590,000 hogs this year, against 6,525,000 in 1896. Corn has been so plenty and cheap that the hogs now killed are in good condition.

AMONG THE RETAILERS.

More than 3,000 people attended the annual barbecue of the Norwalk (Conn.) Butchers' Association, held in that city Wednesday of last week, and to feed the gathering, 6,300 lbs. of beef were used, 68 lambs and 1,500 loaves of bread.

The ninth annual convention of the Retail Butchers' Protective Association of the State of Connecticut, was held in Norwalk Thursday of last week. Owing to inclement weather the attendance was not as large as was expected. Twenty-one delegates were present when President C. M. Brotz called the convention to order at 1 p. m. Secretary I. W. Stillman, of Danbury, read his report, which indicated a successful year. The report of Treasurer Charles Wissert, of New Haven, showed a flourishing condition in the matter of finances. The following officers were elected: President, Maurice O'Brien, Meriden; first vice-president, A. Satig, New Haven; second vice-president, J. V. Reynolds, Norwich; secretary, I. W. Stillman, Danbury; treasurer, C. F. Wissert, New Haven; trustees, J. H. Seiferman, Middletown; W. G. Tolhurst, Hartford; Eben Husted, Norwalk; Elijah Tracy, Norwich; J. H. Whitcomb, New Haven; delegates to national convention at Springfield, I. W. Stillman, Danbury; George F. Kellogg, Hartford; C. E. Hart, New Haven. It was voted to hold the next convention in Bridgeport, the last Thursday in July, 1898.

THE RETAIL BUTCHERS.

The Twelfth Annual Convention of the National Association Held in Springfield, Mass., Opening Tuesday Last. —President Franklin's Address.—The Full Proceedings of the Sessions.

The twelfth annual convention of the National Retail Butchers' Protective Association assembled in Graves' Hall, Springfield, Mass., Tuesday morning last.

After formal organization the convention adjourned until 2:30 o'clock in the afternoon.

The adjournment was caused by the unavoidable delay in arrival of the New York and Brooklyn delegates. In the meanwhile the reception committee—Chas. H. Steele, D. Warren, C. P. Kibbe, W. J. McCann, C. A. Wright and C. F. Foster, all of Springfield, took the delegates and friends about the city, visiting the many places of interest.

The morning session was called to order by President Joseph Callahan of the Springfield Association, and it was opened with prayer by Rev. Charles Conklin, of St. Paul's Universalist Church. President Callahan delivered an address of welcome in which the fact was brought out that the Springfield association is the only one of the associations comprising the national organization in which the butchers and grocers are affiliated. In the absence of Mayor Dickinson, Alderman Ralph W. Ellis extended to the visitors the courtesies of the city in a short address, to which James Franklin, of Buffalo, president of the national association, responded.

The real business of the convention began with the afternoon session with the president's address. President Franklin said in part:

"Gentlemen of the Association:

"Standing as I do upon the outgoing threshold of the honorable office of president of the National Retail Butchers' Protective Association, after serving two consecutive terms of office, it is not without pardonable emotion that I look upon the faces of those who have favored me with their votes for president twice, thus testifying to their generous confidence in my ability to fill the office to which they have chosen to elect me.

"Although we meet but once a year and the duties and responsibilities of such a position might, to the uninitiated observer, not seem onerous, yet those of you who have preceded me in office know that the post of president of this association carries with it much anxiety and the burden of leadership in all movements begun and prosecuted for the betterment and advancement of the organization of which we are all proud.

"To be president of your body implies constant vigilance in its interest and the devising of plans to keep the association not only

DO YOU SMOKE MEAT?

DOES YOUR MEAT MOULD?

DO SKIPPERS TROUBLE YOU?

If you have any trouble you wish to overcome in your Packing House or Sausage Department, write us and we will tell you how to remedy it.

FREE OF ANY CHARGE.

B. HELLER & CO., Manufacturing and Analytical Chemists. 249-251 S. Jefferson Street, Chicago, Ill.

SILVER LEAF LARD, KETTLE RENDERED.

THE LARGEST SALE OF ANY LARD IN AMERICA.

SWIFT AND COMPANY,

CHICAGO.

KANSAS CITY.

SOUTH OMAHA.

EAST ST. LOUIS.

THE CUDAHY PACKING CO.

Packers of REX BRAND

PROVISIONS, CANNED GOODS AND BEEF EXTRACT.

SHIPPERS OF CHOICE

Dressed Beef, Hogs, Sheep, Calves, Beef and Pork Cuts, and all kinds of Tripe and Sausages.

ALSO MANUFACTURERS OF BUTTERINE.

PACKING HOUSES.

SOUTH OMAHA, NEB. CHICAGO, ILL.
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The Cudahy Packing Co., Manhattan Market, New York.
" " " " Manhattanville " "
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Lee & Hoyt, - New Haven, Conn.
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WESTPHALIA
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CURERS AND JOBBERS OF
PROVISIONS AND CANNED MEATS

WHITE ROSE
LARD.

ESPECIAL ATTENTION PAID TO FOREIGN TRADE.

AND ALL PACKING HOUSE PRODUCTS.

ANGLO-AMERICAN PROVISION COMPANY, CHICAGO FOWLER BROS. (LIMITED), NEW YORK AND LIVERPOOL.

Pork Packers, Lard Refiners and Sausage Makers.

SOLE PROPRIETORS
OF THE UNRIVALED AND JUSTLY
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BRANDS OF MEATS AND LARD:

Delmonico Peach and Cherry Brands
OF SMOKED MEATS.
Peach Leaf Lard. Apricot Lard.
ROYAL LILY COMPOUND.

Agents in most of the principal cities in the United States. Correspondence solicited.

ANGLO-AMERICAN PROVISION CO.

BENTLEY & GERWIG, Limited,
MANUFACTURERS OF

ROPE, TWINE and CORDAGE,

Hide Ropes, Pork Packers and Sausage Twine a specialty. Cotton Waste, etc.

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ORGANIZED 1888.

The New York Butchers' Calfskin Association,
OFFICE, 407 E. 47th STREET, NEW YORK CITY.

Sell your calfskins to us. We divide all profits to stockholders. No other dealers do this. •
Our wagons call at your place for calfskins.

Try a LITTLE AD. on Page 45.

Battelle & Renwick,

163 FRONT STREET, NEW YORK.

ESTABLISHED 1840.



MANUFACTURERS OF

REFINED SALTPETRE.

CRYSTALS,
GRANULATED,
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FOR PACKERS' USE.

THE BLAUVELT-WILEY PAPER MFG. CO.,

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Tapes for Wrapped Meats and Provisions a Specialty.
121 Duane Street, - New York City.
PHONE, 1632 FRANKLIN.

THE NATIONAL PROVISIONER.

ANNUAL SUBSCRIPTION

ONLY \$4.00 FOR 52 WEEKLY ISSUES
FOREIGN \$5.00.

together, but to solidify and amalgamate personal aims into a cohesive working for the interests of the whole.

"Let us not forget, while this is a business organization, we must also strive to incorporate therein the element of brotherhood as well. It is not an idle maxim, that of the Knights of Labor, that 'An injury to one is the concern of all,' for it has resulted in the upbuilding of a great and powerful national association, and from it a good lesson may be learned, even though we are not properly, though hard-working men, to be classed in the ranks of labor. I believe in the yearly assemblages of this association, and I wish they were quarterly instead of annual in their recurrence, for great good to the body corporate always follows. Here hand clasps hand, and heart goes out to heart in a spirit of honest brotherhood, and questions are brought up and experiences exchanged between members from different parts of the country which cannot fail to be of incalculable benefit, not only to the individuals, but to the association as a whole.

"During my two terms of office in the presidency many schemes have presented themselves to my mind as proper to present to your honorable body for consideration and debate, regarding this association, as I do, one which should be a positive power in every city in the United States among those interested in the trade. I believe at these annual meetings we should not alone content ourselves with the hearing of reports, nor tolerate the unnecessary tabling of important questions, but should meet as an association of earnest business men, banded together for mutual interests and self-protection, and in dead earnest in whatever we undertake to do.

"We should aim to be practical, first, last and all the time and theoretical as little as possible, and there are practical questions which may well and profitably occupy the periods of your debate, and I propose at this time to briefly lay them before you, as matters which have been suggested to me from my own experience.

"I will not be contradicted when I say that the curse of this any every other business involving the sale of the necessities of life, is the credit system, but this is not the only lion which lies in the path of the business success of the individual butcher, for in the language of the song, 'there are others,' to which I will recur later, and you will, I think, agree with me before I am done that many of these drawbacks may be conquered or at least mitigated by the judicious use of our powers in the association.

"First, there is a remedy which may be applied to help the dealer in the crushing out of the credit system, mind, I say 'help' advisedly, and not aver that it can be done away with altogether; if we stand together as we should, we would hold ourselves bound by the rules of the order, and rules might be made which would be wonderfully effective in helping the individuals in the craft.

"For instance, if this association should pass a rule or a by-law, forbidding its members to extend credit over thirty days, and should cause to be printed and circulated, for posting in a conspicuous place in the shop of each member, in large letters, a copy of such rule, it would be infinitely easier for the owner of the shop to decline to allow his bills to run for a time over the period stated, especially should the penalty of the infraction of such rule appear below the rule upon the placard, and over the signature of the president and secretary of the association. This is one suggestion, and it seems to me it is a good one for a butcher, urged to extend the time of credit, might easily lay the blame of the refusal upon the association, and avoid the odium of it himself.

"Another evil we have to contend with is the department store; an evil which already has its octopus jaws wide open to swallow up the profits of the butcher, as it has already devoured so many other trades. It is my belief that in cities where licenses are required to be taken out by retail butchers, that no person should be permitted to sell any meat, fresh or salt, unless such person shall have obtained a license from the municipal authorities. In our city of Buffalo, it has been for several years a growing custom of wholesale and retail grocery dealers to make salt and smoked meats a portion of their business, as well as lard, and other products naturally germane to the legitimate butcher business, and these parties, while seriously cutting into the business of the butchers, have been permitted to operate without paying a cent for licenses, and, like other department stores, in other lines of business, they have made their meat trade a side issue, marking the products down to ruinous prices, at or below cost, for the purpose of attracting business to their other stocks in trade. But the department store question is too great to be grappled with

in a paper of this character, except in so far as it touches the pockets of every man present. We cannot do much generally to reform this evil, but so far as our particular line of trade is concerned, we can band together and successfully resist it so as to prevent the butcher business from falling into the line of the ghastly procession of ruined druggists, toy dealers, hardware, tinsmiths and jewelers, who have succumbed to the inevitable and left their bones to bleach upon the desert over which the department store has taken its destructive course.

"Some day legislation will be effected to check the inroads of this consolidated way of doing business, but until then, eternal vigilance will be the price of liberty for the individual business of the country, and only those trades, the members of which are banded together and present a solid front to the enemy, can be expected to profitably survive.

"I believe that this association should be in the highest degree militant, not only as a national body, meeting every year in some designated city, but as one which should have thoroughly organized branches in every city of importance in the country, the members of which should be pledged to stand together. Personal loyalty to themselves and to each other are the only conditions upon which our business can be made to yield the best there is in it. If nobody trusts more than thirty days, gradually no one will be asked to, and one butcher will be found as strict as every other butcher; if they stand together in asking for legislation, they will get the legislation, and with a sound organization in each city, they can dictate terms, rather than endure them. Much has been said of the necessity of stimulating our members in the interests of organization, but this cannot be accomplished by appeals to their loyalty, or by printed supplications in this direction, but rather by making the organization work of such vital importance to the members that no one can afford to absent himself from the annual convention of the association.

"The butchers of every town, thoroughly organized, would constitute a power, and as the State is larger than the city, as association of butchers from the whole State make a greater power, and this association of men in this business from the Pacific to the Atlantic waters, and from Galveston to Klondike, for nearly everybody eats meat everywhere, should be able to make its influence felt with tremendous power, the power of amalgamated influence and capital, even within the halls of Congress.

"I have dealt heretofore with influences from without, which are to be combated, but there are matters within the organization which might be looked into and by personal interests might be so fused as to make membership in this body not only of social advantage to its members, but a source of actual profit besides. Under its auspices and with capital derived from its members, abattoirs could be constructed by which the original cost of dressed meat could be reduced to members, increasing their profits on the retailed article, and adding to their earnings money now paid to the great wholesale meat slaughterers of the country.

"Another idea which would tend to more intimately bind the association together would be the establishment within our ranks of a mutual benefit insurance association, which has been done by other organizations, such as Masons, the bankers and others. All these suggestions are offered for what they are worth, and they simply appeal to you for consideration.

"In the work of the past year the most rigid kind of economy has been practiced to the end that we might place the great old 'National' out of debt and on the highway to prosperity. There has been no needless expenditure of money for supplies or in the work of organizing new associations. Although the secretary and or-

ganizers have been actively at work during the past year and organized and installed several new associations, and have but just finished a trip to the Pacific coast in an endeavor to place associations in that locality, there has been but little expense. I am informed that the number of miles traveled by these officers would aggregate more than 8,000; their entire traveling expenses for the year did not exceed \$75. They have not taken me into their confidence as to how the work was done, and consequently I am unable to give you the benefit of their experience. Let it be said to their credit, however, that they have traveled more miles on that amount of money than we could expect any one else to do, and if they can be induced to give up the secret of their success, we might profit by it in our future work. I am informed that they visited Denver, Pueblo, Leadville and Cripple Creek, Col.; Salt Lake City, Utah; San Francisco, Portland, Ore.; Seattle, Tacoma, and Spokane Falls, Wash., during their recent visit to the Pacific coast. During the early part of the year several trips were made through Illinois, Indiana, Ohio, Michigan and Wisconsin, and in each of these States and the cities visited, good foundations have been laid by them for the placing of new associations, which it is hoped may be induced to come in during the near future.

"In conclusion, I wish to thank you for the generous and indulgent treatment I have always received at the hands of the members of this association, and of its officers, and, as I said in the beginning, I appreciate most deeply the honors you have seen fit to confer upon me. I pledge you, gentlemen, that in gratitude therefore, I shall ever be found in the future, as in the past, a willing recruit in the ranks of the association, ready at all times to give my time and substance to its interests, and keenly ambitious to see the association over which I have been privileged to preside, assume the position of power and honor to which it is entitled among the great trade organizations of the country.

"Gentlemen, I thank you for your kind attention."

The annual report of the secretary, Frank Snouffer, of Cedar Rapids, Ia., showed an encouraging increase in finances and membership. He stated that at the present time there is a surplus in the treasury of \$1,765.63. The total membership is 16,740, and this with the number from associations which are known to be in good standing but have not made reports, it is estimated would bring the total membership to over 18,000.

There was some discussion as to whether proxies from several States should be allowed the right to vote, but it was finally decided to allow only delegates and alternates the right of suffrage, one delegate only being allowed for every fifty members from any branch of the organization.

The delegates present from New York State were: Wm. G. Wagner, Geo. Thomson and R. B. Nooney, of New York City; R. T. Millman, Joseph Simmonds, James Moore, of Brooklyn; James Franklin, John Valentine, of Buffalo; L. P. Herzberger, Chas. B. Heckel, of Rochester; Geo. J. Whiffens, of Utica; Patrick De Lee, of Troy; D. J. Hartnett, of

TO BUTCHERS.

Butchers cannot fail to be interested in Page's Quotations for Calf Skins, which appear on page 8.

P. DONAHUE & SON,

Highest Prices Paid for

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After a general discussion of affairs and prospects the meeting adjourned a little after 6 o'clock, to meet again at 8 o'clock.

Owing to small attendance at the evening session, no business of importance was transacted, the time being occupied by exchanging courtesies and a short meeting, at which routine business was acted upon. The session then adjourned till Wednesday morning.

Other members and visitors were: J. M. Judson and H. P. Chatfield, of New Haven, Conn.; Fred Hesse, of New York City; W. St. Amour, of Chicopee Falls, Mass.; W. Alonzo Barrows and B. T. Haffey, of Worcester, Mass.; Louis Bookheim, of Albany, N. Y.; H. J. Carpenter, D. Warren, O. A. Wright, C. P. Kibbe, W. J. McCann, L. E. Pease, C. F. Fisher and others, from Springfield, Mass.; F. Schmidt, Geo. L. Wagner, F. Leopold and Samuel Williams (representative of "The National Provisioner") and Fred Hesse, of Brooklyn.

Most of these gentlemen are stationed at the headquarters at Hayne's hotel, although there were a number at the other hotels and with friends in the city.

The corridors at the hotel were filled with groups of members who had gathered to make new acquaintances and renew old ones. A number of the delegates were accompanied by their wives or daughters.

Among the ladies who were noticed were: Mrs. Joseph Simmonds and Miss Pearl Millman, of Brooklyn; Mrs. George I. Whiffen, of Utica, Mrs. L. W. Bookheim, of Albany, N. Y.; Mrs. Fred Hesse, of Brooklyn; and Mrs. Marie A. Dorren, of St. Louis, Mo. These women are well-known figures at the annual convention, having attended several before. Among the other well-known figures are: George Hiller, of Harrisburg, Pa.; an old standby in the association and one who has not missed a convention in the last twelve years; James Franklin, president of the association, and also president of the Eastern league baseball team at Buffalo, is a central figure and is ever willing to talk baseball. Another baseball enthusiast is Louis W. Bookheim, of Brooklyn.

I. W. Stillman, of Danbury, Conn., is called the father of the association and has given untiring labor for the welfare of the organization. Christian D. Brokate, of St. Louis, is present and wears the elegant diamond chain presented to him by the convention at Denver last year. He displays it with considerable pride. He was secretary of the association for eleven years.

The ladies expressed themselves grateful for the courtesy shown them by Mr. and Mrs. H. L. Niles. A canvass of the sentiment of the election of officers would seem to indicate the re-election of present Secretary Frank Snouffer, who seems to be the right man in the right place. It is understood that President James Franklin is not a candidate for re-election, and W. G. Wagner is being urged to accept the honor, in the hope that he will bring the same success to the national body that he has to the New York State Association.

On reassembling on Wednesday a heated discussion arose on the subject of the Western wholesalers supplying meat direct to the consumer otherwise than their own employes. R. B. Nooney, of New York, said such was the case, and on the other hand the vice-president, H. L. Niles, asserted to the contrary. Mr. Niles and Mr. Callahan said the local men got on very well and were treated very fairly by the managers of the local branches of the Western houses and it were wiser to let well alone. The majority of Springfield butchers and grocers held together not by fighting against what the wholesaler should or should not do, but by fighting against the "dead beatism" of the public. They did not propose to be aggressive but protective. The matter was then laid over. During the afternoon the city of Holyoke and Mount Tom were visited by the members, a special car being engaged to take them, but the weather being so inclement only a few went to the summit, from which a view of over fifty miles could be seen on a fine clear day.

At the evening session department stores had a good overhauling by the delegates. It was asserted by several members that consist-

ency should be adhered to, but it was often the case that many preached the doctrine of "do as I tell you, but don't do as I do" and members who were among the first to cry boycott the department stores were the first that ran to obtain bargains therefrom.

One of the organization's latest moves has been that whereby the unfair awarding of Government contracts on the Pacific coast has been investigated by Secretary of War Alger and Secretary of Agriculture Wilson. National Secretary Frank Snouffer of the association was able to produce evidence that most of the Government supplies which have been furnished Western Government posts were not bought from bids and he has been assured that this shall be changed.

Wednesday evening the following officers were elected for the ensuing year: President, James Franklin, Buffalo, N. Y.; 1st vice-president, Joseph F. Callahan, of Springfield, Mass.; 2d vice-president, I. W. Stillman, of Danbury, Conn.; secretary, Frank Snouffer, of Cedar Rapids, Ia.; treasurer, Frank J. Wallace, of Meriden, Conn.; inside guard, Joseph Simmons, of Brooklyn, N. Y.; outside guard, Eckert Gottschammer, St. Louis, Mo.; trustees, George S. Kellogg, of Hartford, Conn.; John Valentine, of Buffalo, N. Y., and Nicholas Lau, of Burlington, Ia.

It was voted to hold the next annual convention on the second Tuesday in August, 1898, in New Haven, Conn. Before the convention adjourned, thanks were extended to the delegates, the retiring officers, the Springfield local committee, and the ladies.

On Thursday an elaborate clambake was held at Riverside Grove, the Second Regiment Band escorting the party and furnishing music during the afternoon. Nearly 1,000 were present. Sports were indulged in at the Grove while the bake was in progress.

At the Friday session the question to be decided was that of erecting abattoirs in the Northwest to be run under the auspices of the National Association. These abattoirs would supply such butchers in this territory as are now dependent on abattoirs under the ban of the National Association. Six or seven organizations had recently been established there. Seattle or Tacoma were reported as favorable places for the beginning of the abattoir scheme, where a building can be started for about \$100,000. The association has about \$600,000 pledged for this purpose.

KANSAS CITY LIVE STOCK REVIEW.

(Continued from page 34.)

speculators for the first two days bought largely, then the receipts became a glut. Speculators offered to sell at 50c. per 100 lb loss, but no buyers except for natives; Western range cattle neglected. But then came "the sound of an abundance of rain;" quick as a flash came the reaction. The farmer took heart; the shipping of cattle stopped; the speculators found ready customers; the loss quickly regained and more feeders went back to the country in one day than ever in the history of the stock yards of the world.

A little rain gave confidence and averted what may have been a veritable Waterloo that some feeders would never have recovered from. Prime cattle for the week, not over plentiful, met with very fair prices. Coarse, plain, heavy cattle were hard to sell at good prices. The best price paid during the week, \$4.85 for some 1,340-lb average; some 1,284-lb average sold for \$4.80; some 1,312-lb average, \$4.75; and some good quality at first of week as low as \$4.65. Native cows were scarce and sold as high as \$3.65 for 878-lb average. Western cows somewhat more plentiful. Some fancy heifers sold at \$4.05 of 779-lb average; some good heifers sold at \$3.75 and some 880-lb average at \$3.65. Native bulls for light average, 670 lb, sold at \$4; some 1,550-lb coarser sold at \$3. Some 1,090-lb average stags sold as high as \$4.10. Range cattle, winter fed, in fair supply. Fed Texas, Kansas fed, steers of 1,293-lb average sold as high as \$4.50; some 1,229-lb average at \$4.15. Some Western steers, 1,377-lb average at \$4.30. Western cows, 831-lb average, at \$2.80; some few 948-lb average at \$2.85. Some New Mexico steers, 1,020-lb average, at \$3.35. Some Colorado steers, 1,294-lb average at \$4.65. (This time last year such cattle thought well sold if at \$3.90.) A lot of Tennessee heifers, 785-lb average, sold at \$3.65. A fair run of regular Texas cattle. Some good lots sold at \$3.55 of 1,045-lb average. Some cows, 773-lb average at \$2.70. Texas bulls, 1,430-lb average at \$2.75. Export men shipped to seaboard 77 cars; same week in 1896, 144 cars. Feeders made a good showing, some 607 cars went out and only 313 cars previous week. The outside purchasers of cattle: Cudahy, 1,334; Kraus, 662; Swift, 506; Michael, 417; Eastman, 337; Hammond, 320; Balling, 243; Hall, 223; St. Joe P. & T. Co., 45.

Heavy receipts of hogs early part of week in the other markets put the Kansas City packers in a position to take 5@10c. off last week's highest price, but the American hog resisted such a dishonor, and the packers being good-natured people, admiring the pluck of the hog, steadily advanced the values day by day. The heavy hogs met with quite a support from the old reliable firm of I. P. Squire & Co., of Boston, so that heavy weights went down the killing gangways at an increased importance to themselves, and later, to the public. Same week in 1896 saw hogs selling tops \$3.35, the bulk \$2.85@3.30. Past week, Monday opened tops \$3.57½, then with bounds of a nickel, even one day of 10c., they closed Saturday at \$3.60. Bulk commenced Monday \$3.45@3.50, going gracefully up the way that farmers laugh to see them, up to \$3.60@3.70 on Thursday, finally ending the week at \$3.50@3.57½. Heavy hogs neglected at first part of the week, the coarser grade selling at \$3.50, went up in favor as high as \$3.70 on Thursday, closing at \$3.55. Hogs of 150-lb average were scarce and in good demand. Packers were inclined to demand that pigs be cut out of purchases, but they did not succeed in every case. The outside purchasers bought 16,880 hogs. They were shipped as follows: Boston, 69 cars; Chicago, 18; Indianapolis, 11; St. Louis, 9; Ottumwa and New York, 8 each; Louisville,

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Hog Killing.

Driving to Pens.—The Shackler.—Necessity of a Foreman.—Stripping Small Guts.—How to Avoid Destroying Them.—Scarring Guts.—To Avoid Destroying Large Guts.—Expense of Killing.—Men Required for Killing Gang.—The Work of Each Man on the Killing Gang.—Avoid Shoulder Sticking.—Temperature of Water in Scalding Tub.—Hog Scrapers.—The Scientific Portion of Hog Slaughtering.—The Expert Gutter.—The Shaver.—The Gut Bench.—Carcasses and Guts.—"Dark" and "Off" Color Guts.—Do not Let Your Fat Go into the Sewer.—Hog Stomachs.—Leaf Lard.—Tongues.—How to Treat Them.—Temperature.—Dry Shaving.—Proper Handling.—After Effects of Poor Handling.—Shrinkage from Live to Dressed Weights.—Hair.—Bristles, etc.—Carelessness of Killing Gang.—How to Avoid Losses.—When Water Should Be Used.

Pepsin Manufacture.

What is Pepsin.—Method of Preparation.—Straining and Filtering of Liquid.—Crude Pepsin.—Purified Pepsin.—General Treatment and Drying Process.

The Chill Room.

When to Put in.—Temperature of Room and Hogs.—Reduction of Temperature.—Lowest Temperature Permissible.—How Long to Hang Therein.—Watching the Temperatures.—Proper Insulation of Chillrooms.—Artificial Refrigeration Prevents Sour Meats.—Where to Place Brine Tanks.—How to Run the Pipes.—Necessity of Reliable Men in Taking Temperatures.—Closest Attention Necessary.—Necessity of Competent Men.—Advantages of Thorough Mechanica.—Who Should Attend to Insulation.

Cutting of Hogs.

When to Commence Cutting.—Size of Gang.—The Cutting Gang.—The Chopper.—Instruments in Use.—Slide Meat Trimmers.—Ribbers.—Backbone Sawers.—Shoulder Trimmers.—Blade Pullers.—Where to Chop the Backbone Out.—Other Men and Boys Necessary.—Cost of Cutting.—Domestic Cuts.—Export Cuts.—Loins.—Wrapping.—Cold Storage.—Treatment During Summer Season.—No Lean Meat to Tanks.—Spareribs.—Backbones, Neckbones, Hocks; What to do With Them.—Short-rib Middle (illustrated); How to Cut.—English Short-rib Middle (illustrated and explained).—Long Clear Middle (illustrated and explained).—Extra Long Clear Middle (illustrated and explained).—Long-rib Middle (illustrated and explained).—Cumberland Middle (illustrated and explained).—Yorkshire Middle (illustrated and explained).—Staffordshire Middle (illustrated and explained).—Dublin Middle.—Stretford Middle.—Birmingham Middle (illustrated and explained).—Short, Clear Sides (illustrated and explained).—Extra Short, Clear Sides (illustrated and explained).—Wiltshire Sides (illustrated and explained).—South Staffordshire Sides (illustrated and explained).—Clear Belly (illustrated and explained).—Rib Belly (illustrated and explained).—Welsh Sides.—Irish-cut Sides.—South Staffordshire Sides.—Clear Bellies, English.—Rib Bellies.—Pickled Clear Bellies.—Short Clear Backs, English (illustrated).—Short Fat Backs (illustrated).—Pickled Clear Backs.—Hams (illustrated).—Long-cut Hams (illustrated).—Stafford Hams (illustrated).—South Stafford Hams.—Manchester Hams.—Skinned Hams.—California Hams (illustrated).—Rolled Hams, Bone-

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Tenderloins.—Trimminga.—Spareribs.—The Advantages of Spreading.—What Receptacles to Use to Give Meat a Good Appearance.—What Pieces Must not Be Given for Counter Trade.—The Handling of Spareribs, also Fresh and Smoked.—Meat Market Sales.

Hog Tests and Relative Values.

The Value of Tests.—What Percentage to Figure on Live Weight.—What to Figure for Cost of Manufacture.—Shrinkage When Determining Cured Yields.—Conclusion About Cutting of Hogs.

TABLE SHOWING AVERAGE Weights of Cuts, Meats, and LARD YIELDED by Live Hogs of 110 to 450 lb. (This table is worth the price of the book to every packer.)

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Sizes of Boxes.—How to Pack.—Eight Sizes.—Weights They Will Contain.—Material Used.—Care to be Taken on the Journey.—How to Store on Board Ship.—Damage Due to Exposure.—Advantages of Having Men at Seaboard.—Cost of Packing Meats.—Average Amount of Salt Used.—How Much Borax to Use.—When to Pack in Borax, and Why.—Allowances for Shrink.—Cover Cost of Borax.—Weighing Dry-Salt Meats for Export.—How to Handle Borax Meats and Dry-Salt Meats.—What Methods are Used to Keep Dry-Salt Meats Dry.—Advantage of Tight Boxes.—Points for Exporters How to Ascertain Cost and Profit.—Many Other Points of Value.

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Tables of No. 1 BOX AVERAGES

Export Meats, No. 2.—Tierce Averages at 300 lb. No. 3.—Table of Convertible Values for Provision Exports to Great Britain.

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284-286 Pearl Street, New York.

7; Milwaukee, 5; Baltimore, 4; Leavenworth and Patterson, 1 each.

Sheep were in fair demand and not any too plentiful. Swift received direct from Oregon quite a number. Reports are that sheep owners are demanding quite an advance in prices; they deem the outlook for higher prices too good to sacrifice, and if the public will in the very near future have to pay higher for their mutton chops, they must do it gracefully. In the meantime packers paid for good lambs of 70-lb average, \$5.15; some 70-lb average at \$5.10; and quite a number changed hands at \$5. Some 54-lb Colorado lambs at \$5. A large bunch of Colorado grass fed sheep of 90-lb average sold at \$3.85. A bunch of Texas lambs, 67-lb average at \$4.50. Texas sheep, 79-lb average at \$3.50. New Mexican ewes, 82-lb average, at \$3.10. Feeders are in good demand and meet with ready sale. Quite a number 51-lb average lambs, \$3.50.

NEW YORK CITY AND VICINITY.

** L. W. Bedell, of Princess Bay, S. I., has just opened a meat market. The furnishings, fittings and ice house were put in by the manufacturer, Jas. McLean, of this city.

** John Reed, of East Orange, N. J., corner Main and Steuben, has contracted for a new butter box, to be completed and placed in his store this week.

** The meat market of Joseph Simmonds, of Flatbush avenue, Brooklyn, was broken into last Monday evening by burglars who entered through a transom, and after rumaging the store, turning out drawers and throwing the papers and contents on the floor, as if in search of something, departed without molesting the cash register or safe.

** Booth's Public Market, on State street, New Haven, Conn., in one of the leading features of that city. It runs through the block, and is elaborately fitted up for meats, groceries, vegetables, fruits and canned goods. The proprietors are very enterprising and pushing men, and run four or five branch markets in the city beside; also they have a first-class meat market at Holyoke, Mass.

** Charles F. Rime, formerly a dealer in provisions at 2332 Third avenue, made an assignment Thursday to Thomas E. Shields.

** Foster Debevoise, the wholesale dealer in provisions at 164 and 166 Elizabeth street, made an assignment Friday of last week to Frederick H. Parsons, giving preferences for \$13,000 to the following persons for borrowed money: Cornelius Sullivan, \$1,000; William H. Decker, \$2,000; Charles H. Reed, \$2,500; George Debevoise, \$6,500; S. M. Sackett, \$1,000. He has been in business since 1883, and had built up a large trade. Edward B. Miller, representing Mr. Debevoise's attorney, said that the assignment was due to general business depression and unfortunate investments. He could not tell the liabilities, but valued the assets at from \$30,000 to \$40,000.

** At a conference held in Brooklyn at the Mayor's office last week, between Mayor Wurster, Commissioner Willis, and a committee of Wallabout Market men, it was decided that the Commissioner should at once advertise for proposals for the construction of 1,050 feet of bulkhead and for two public piers at the Wallabout in place of the present ones, one pier to be 620 feet long and the other 480 feet. There will be \$50,000 expended for opening and paving streets, and the total expenditure will reach about \$300,000. All of this work is to be done according to plans prepared by Engineer Belknap, of the Department of City Works, who was also present at the conference. There will be space for two additional piers in the basin, and it is proposed to lease them to railroad companies. The committee of the marketmen included John H. Hoeft, William J. Seaton, Charles Smith, J. C. Berrian and Zimri Brush. They urged the Mayor to have the improvement of the basin and of the adjoining lands forwarded as rapidly as practical. Mayor Wur-

ster said now that the city could issue bonds the work would be proceeded with. Mr. Hoeft suggested that the plans be so made that 100 feet in width could be utilized for a ferry slip. The Mayor said he objected to this and that if the ferry companies wished to run boats between the market and New York they should purchase property themselves.

ROTTERDAM OLEO REPORT.

The following sales were cabled for the week ending August 13, 1897:

Aug. 7. United (180,000 tcs.) sold at 40 florins.
" 7. Harrison sold at 40 florins.
" 7. Morris Extra sold at 40 florins.
" 7. Dold Extra sold at 38 1/4 florins.
" 7. Gotham Extra sold at 37 florins.
" 9. Eastman Extra sold at 40 florins.
" 13. Harrison sold at 42 florins.
" 13. Harrison sold at 41 florins.
" 13. Modoc sold at 41 florins.
" 13. Eastman Extra sold at 41 florins.
" 13. Swift Extra sold at 41 florins.
" 13. Morris Extra sold at 41 florins.
" 13. Orange King sold at 41 florins.

Salos for the week 3,100 tcs. spot and 1,000 to arrive.
Aug. 7, stock in first hands, 780 tcs.

Stock afloat, Aug. 7.—Per stmr. Urbino from Balto. July 31, due Aug. 14, 1,815 tcs.; per stmr. Amsterdam from New York July 31, due Aug. 11, 2,182 tcs.; per stmr. Maasdam from New York Aug. 7, due Aug. 18, 2,314 tcs.; per stmr. Tabasco from Balto. Aug. 7, due Aug. 21, 1,360 tcs. Total, 7,771 tcs.

Aug. 7.—My London cable reports: Butter, market quiet and steady; Margarine, market quiet and steady.

Imports into Great Britain for week ending July 31, 1897:—Butter, 54,993 cwt.; margarine, 1,497 cwt. 1897—butter, 60,000 cwt.; margarine, 15,000 cwt.

Exports of Oleo Oil to Rotterdam.

Aug. 7. Per Stmr. Maasdam—United, 150; Eastman, 325; Morris, 600; Wolf, 60; Dold, 120; S. & S., 240; Swift, 500; Isaacs, 25; Armour Packing Co., 194.

Aug. 9. Per Stmr. Tabasco—Armour & Co., 800; Swift, 325; Cudahy Packing Co., 135; Martin, 140; Pitts. Prov. Co., 120.

Neutral Lard.

Aug. 7. Per Stmr. Maasdam—Armour & Co., 565; Armour Packing Co., 1,000; Swift, 460.

Aug. 9. Per Stmr. Tabasco—Armour & Co., 725; Kingan, 150; Swift, 1,850; Cleveland P. Co., 75; Cudahy P. Co., 150.

PORK PACKING.

Special reports show the number of hogs packed since March 1 at undermentioned places, compared with last year, as follows:

	1897.	1896.
Chicago	2,660,000	2,270,000
Kansas City	1,312,000	985,000
Omaha	702,000	518,000
St. Louis	461,000	468,000
Indianapolis	385,000	345,000
Cincinnati	248,000	235,000
Milwaukee, Wis.	138,000	136,000
Cudahy, Wis.	204,000	160,000
Cleveland, Ohio	224,000	168,000
Ottumwa, Iowa	245,400	169,000
Cedar Rapids, Iowa ..	183,200	136,900
Sioux City, Iowa	111,000	88,000
St. Joseph, Mo.	156,500	90,500
Louisville, Ky.	130,000	94,000
Keokuk, Iowa	47,700	41,800
Bloomington, Ill. ...	30,500	10,700
	—Price Current.	

LIVERPOOL QUOTATIONS

Liverpool, Aug. 13—4:45 P. M.—Closing.—Beef—Extra India mess, firm, 56s. 3d.; prime mess firm, 46s. 3d. Pork—Prime mess, fine Western, firm, 47s. 6d.; prime mess, medium Western, firm, 43s. 9d. Hams—Short cut, 14 to 16 lb, steady, 38s. Bacon—Cumberland cut, 28 to 30 lb, steady, 26s. 6d.; short rib, 20 to 24 lb, steady, 27s. 6d.; long clear middles, light, 35 to 38 lb, steady, 28s.; long clear middles, heavy, 40 to 45 lb, steady, 27s.; short clear middles, heavy, 45 to 50 lb, steady, 27s.; clear bellies, 12 to 14 lb, firm, 31s. Shoulders—Square, 12 to 14 lb, steady, 28s. Lard—Spot steady, 22s. 6d. Cheese—American, finest white and colored, firm, 41s. Tallow—Prime city firm, 18s. Cottonseed Oil—Liverpool refined, steady, 16s. 6d.

FOREIGN NOTES OF INTEREST

At current values cattle, it is said, can be raised in Queensland at a profit for their hides alone. On apparently trustworthy information, there are about 7,000,000 head of horned cattle in Queensland, and 2,500,000 head in New South Wales. The people of the United States have five-sevenths of one head of cattle per head of population; the people of New South Wales about two head, and the people of Queensland nearly twenty head.—London Meat Trades' Journal.

When Her Majesty ascended the throne sixty years ago the commerce of Great Britain was only 115 millions. Now it is 1,200 millions per annum.

The annual picnic of the Birkenhead Butchers' and Pork Butchers' Association took place recently to Bettws-y-coed. The party left Birkenhead 8:55 a. m. and arrived at 12:15, in good time for dinner at the Clan-Aber Hotel, after which all dispersed to view the lovely scenery, arriving back for tea at 5:15. The party subsequently left by the 6.15 train and reached home by 9:30 p. m., after spending a very enjoyable outing.

In the week ended July 17 there occurred twenty-two outbreaks of swine fever in England, one in Wales and two in Scotland, the total of twenty-five for Great Britain, being the lowest weekly aggregate recorded since the present regulations came into force.—London Meat Trades' Journal.

Mr. Philip D. Armour, of Chicago, passed through London last week on his way to Carlsbad. He states that his new pepsin factory, which is now almost completed, will be fitted with every appliance for turning out digestive ferments in a high state of perfection.

BUSINESS CHANGES.

Davis & Fish, dealers in groceries and provisions at Fall River, Mass., have made an assignment. They began business in 1874.

Clyde E. Webber, who has been conducting a meat market at 207 Fifth street S, Minneapolis, Minn., made an assignment to Edmund P. Allen.

Veline & Russell, proprietors of a provision store at 2611 East Twenty-fifth street, Minneapolis, have assigned. The assets will not exceed \$2,500, and the liabilities will probably be considerably beyond this sum.

Lincoln & Gorham have bought out the meat business of Fred Kimball, Lyndonville, N. H.

Hauserman & Allen have purchased the butcher business of McWhinny & Tigner, Jefferson, Iowa.

John B. Tabor, Ishpeming, Mich., butcher, has made an assignment. His assets are said to be \$2,100 and liabilities \$3,100.

Lister & Plumb, meat market, Southington, Conn., are succeeded by Dister & deers.

Maddigan Bros., groceries and meats, New Britain, Conn., have assigned.

Hugh Kreuter, meat, Knox, Ind., has taken a partner. The firm name is Kreuter & Wilhelm.

A mortgage dated March 1, 1897, for \$800, given by Samuel E. Gazan, retail provisioner, Boston, Mass., has been discharged.

Wm. E. Spooner, provisions, New Bedford, Mass., has mortgaged real estate for \$300.

O. W. Price, groceries and provisions, Manchester, N. H., has sold out to Carl A. Friberg.

A judgment for \$1,470 has been executed against Louis Lyons, meat, Bloomsburg, Pa.

The New England Grocer with a late issue completed its twentieth year of existence. The Grocer is among the newsiest, brightest and most interesting of our exchanges. We should like to ask Brother Dowse if we have been "ruled" out of the distribution of the souvenirs of the happy event?

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NEW YORK MARKETS. OCEAN FREIGHTS.

The market is quiet on account of the advance in wheat. General market steady. The following will be the prevailing rate during the week:

Marseilles.—Cottonseed oil, 3s. 9d.; bacon, 22s. 6d.; lard, tcs., 22s. 6d.; tallow, 22s. 6d.; Liverpool.—Cottonseed oil, 2s. 6d.; bacon, 12s. 6d.; lard, tcs., 12s. 6d.; tallow, 12s. 6d.; cheese, 25s.; butter, 50s.; refrigerator lard, tcs., 12s. 6d.; tallow, 12s. 6d.; cheese, 25s.; London.—Cottonseed oil, 3s.; bacon, 15s.; butter, 76s.; refrigerator. Hull.—Cottonseed oil, 3s. 6d.; bacon, 15s.; lard, tcs., 15s.; tallow, 15s.; cheese, 25s.

LIVE CATTLE.

Weekly receipts:

	Beaves.	Cows.	Calves.	Sheep.	Hogs.
Jersey City.....	3,342	1	1,700	30,519	9,476
Sixtieth St.....	4,179	74	4,708	2,884	276
Fortieth St.....				11,467	
Hoboken.....	2,476	39	346		4,108
Lehigh Val. R. R. 1,356					
Scattering.....		26	211		
Totals.....	11,893	114	6,535	33,960	25,127
Totals last week.	9,383	102	7,744	45,186	30,894

Weekly shipments:

	Live Cattle.	Live Sheep.	Quar. Beef.
Eastmans Company.....			4,300
D. H. Sherman.....			880
Nelson Morris.....			4,780
Swift & Company.....			1,983
Schwarschild & Suisberger.	1,294		2,416
J. Shambert & Son.....	1,743		
Gordon, Fronsides & Co.....	143		
Fritchard, Moore & Kemp..	200		
L. & Dillonback.....		175	
Hume & Mullen.....		15	

Total shipments.....	3,380	190	14,689
Total shipments last week.	3,644	55	10,046
Boston this week.....	2,862	450	9,419
Baltimore ".....	971		1,437
Philad'a. ".....	730		1,010
Newport News ".....	352		
Montreal ".....	4,344	679	9,928
To London.....	5,087	937	19,819
To Liverpool.....	4,943	892	
To Glasgow.....	1,837		
To Southampton.....		2,880	
To Bristol.....	516		
To Hull.....	280		
To Newcastle.....	143		
To Cardiff.....	163		
To Bermuda and West Indies	190		
Totals to all ports.....	13,609	1,319	26,528
" " " last week	12,962	8,779	28,177

QUOTATIONS FOR BEEVES.

Good to choice native steers.....	5 10 a 5 35
Medium to fair native steers.....	4 80 a 5 05
Common native steers.....	4 25 a 4 75
Stags and Oxen.....	2 50 a 4 50
Bulls and dry cows.....	1 75 a 3 25
Good to prime native steers one year ago..	4 60 a 4 75

DRESSED BEEF.

The market is firm with a rising tendency, but last week's figures are good for this week. We quote:

Choice Native, heavy.....	7 1/2 a 8
Common to fair Native.....	7 a 7 1/2
Choice Western, heavy.....	7 a 7 1/2
Light.....	6 1/2 a 7
Good to prime Westerns.....	6 1/2 a 7
Common to fair Texan.....	5 a 6 1/2
Good to choice Heifers.....	6 a 6 1/2
Common to fair Heifers.....	5 a 6
Choice Cows.....	6 a 6 1/2
Common to fair Cows.....	5 a 6 1/2
Good to choice Oxen and Stags.....	5 a 6 1/2
Common to fair Oxen and Stags.....	5 a 6 1/2
Choice Bulls.....	5 1/2 a 6 1/2
Common Bulls and Cows for Bologna.....	4 1/2 a 5 1/2

LIVE CALVES.

Market strong at advanced figures. Sales at Jersey City and also at Sixtieth street, New York City reached 7c., with a few exceptional lots at 7 1/2c., but this is extreme. Buttermilks are in good demand and fetching fully 1c. more than last week. We quote:

Live veal calves prime, per lb.....	6 1/2 a 7 1/2
" common to good.....	5 1/2 a 6 1/2
Live Calves, buttermilks, per lb.....	3 1/2 a 4 1/2

DRESSED CALVES.

City dressed, good demand; stocks small and showing fully 1c. advance; but the opinion of those able to judge state that the figure is only temporary, with the outside price showing good value at 9@10c. early in the

week. Country dressed moved correspondingly, but with a limited demand. Invoices of stocks to arrive are not large and prospects are for lower figures. We quote:

City dressed.....	10 a 11
Country dressed, choice.....	8 a 9 1/2
" good.....	8 a 9
" common.....	6 a 7
" buttermilks.....	6 1/2 a 7 1/2
" grassers.....	6 1/2 a 7 1/2
" small.....	6 a 7

LIVE HOGS.

The market this week has been very irregular and has declined about 20c., and the general opinion is that another 10c. drop will take place early in the coming week. Roughs have dropped correspondingly. We quote:

Hogs, heavy.....	4 15 a 4 25
Hogs, light to medium.....	4 30 a 4 40
Pigs (100 lb.).....	4 a 4 50
Roughs.....	3 20 a 3 35

DRESSED HOGS.

Market not so strong, and sales fell about 1/4c. on hogs, but a few light pigs realized 6 1/2c. This was exceptional and we are not justified in quoting more than 6 1/4c. We quote:

Hogs, 160 and over.....	5 1/2 a 5 3/4
Hogs, 140 and over.....	5 a 5 1/2
Hogs, 120 and over.....	4 1/2 a 5
Pigs, light.....	4 a 4 1/2
Pigs, medium.....	4 a 4 1/2
Country dressed.....	4 a 4 1/2

LIVE SHEEP AND LAMBS.

Good lambs are selling fairly well at 1 1/4c. advance, but the demand for sheep has fallen off and market barely steady at below figures. We quote:

Live spring lambs, Southern, per lb.....	6 a 6 1/2
" sheep, good to prime, ".....	4 a 4 1/2
" poor to fair, ".....	2 1/2 a 3 1/2

DRESSED SHEEP AND LAMBS.

The market is still firm and the outlook is better on lambs. Sheep are steady at former prices. We quote:

Good to choice lambs.....	9 a 10
Common to medium lambs.....	7 a 9
Good to prime sheep.....	7 a 8
Common to medium.....	6 1/2 a 6 3/4

PROVISIONS.

There is a forward movement on all kinds of hog products, and figures have advanced; the good demand for export has made the home trade move firmly and prospects are for still higher prices. Fresh pork loins are in good demand at 1 1/4c. advance. Bellies and shoulders are firm, and likely to go higher. We quote:

(JOBBER TRADE).

Smoked hams, 10 lbs. average.....	10 a 10 1/2
" " 12 to 14 ".....	9 1/2 a 10
" " heavy.....	8 1/2 a 9 1/2
California hams, smoked, light.....	7 1/2 a 8
Smoked bacon, boneless, heavy.....	8 1/2 a 9
" (rib in).....	8 a 9 1/2
Dried beef sets.....	5 a 11
Smoked beef tongues, per lb.....	6 a 16
" shoulders.....	6 a 6 1/2
Pickled bellies, light.....	7 a 7 1/2
" heavy.....	6 1/2 a 7
Fresh pork loins, City.....	8 1/2 a 9
" Western.....	7 1/2 a 8
Pork tenderloins.....	15 a 16

LIVE POULTRY.

The market continues fairly active and generally firm. Fowls sold at 9 1/2c. and chickens 9 1/4@10c. for Western, with Southern not worth over 9c. Old roosters steady in sympathy with fowls. Turkeys in light supply and firm, though demand moderate. Ducks plenty and easy. Geese in light supply and steady. Pigeons weak at former low prices. We quote:

Spring Chickens, Western, per lb.....	9 1/2 a 10
" Southern.....	9 a 9 1/2
Fowls, per lb.....	8 a 9 1/2
Roosters, per lb.....	8 a 9
Turkeys, per lb.....	8 a 9
Ducks, Western, per pair.....	10 a 11
" Southern.....	10 a 11
Geese, Western, per pair.....	1 00 a 1 12
" Southern.....	75 a 90
Pigeons, prime, old, per pair.....	20
" young and mixed, per pair.....	10 a 15

DRESSED POULTRY.

Receipts of Western fowls and chickens not heavy. Holders are feeling steady only on reliable lots. Choice dry picked fowls are held at 9 1/2c. if fresh received, but going slowly. Useful Southwestern are freely offered at 9c. Scalded fowls selling slowly at 9c. extreme. Philadelphia and Western spring chickens are not of a desirable quality and average lots drag at low and irregular prices. Long Island spring ducks in excessive supply, very dull and weak. Eastern ducks slow, Western neglected. Eastern geese unchanged. Tame squabs plenty and irregular. We quote:

Turkeys, average lots.....	7 a 9
Spring chickens, Phila., 3 1/4 to 4 lbs. to pair.....	13 a 14
" " 3 lbs. & und. to pair.....	9 a 12
" " West., d. p., 3 1/4-4 lbs. to pr. lb.....	9 a 10
" " under 3 lbs.....	8 a 9
" " scald., 3 1/4-4 lbs. to pr. lb.....	8 a 9
Fowls, State and Penn., good to prime.....	8 a 8 1/2
" No. Ill., Ind., etc., dry-picked, small.....	9 a 9 1/2
" Southwestern, dry-picked, small.....	9 a 9
" Western, scalded, small.....	9 a 9
" Western, heavy.....	9 a 9
Old Cocks, Western.....	5 a 5 1/2
Ducks, Eastern, spring, per lb.....	11 a 12
" L. I., spring, per lb.....	11 a 11 1/2
" Western, spring, per lb.....	7 a 8
" poor.....	3 a 5
Squabs, choice, large, white, per doz.....	1 50 a 1 75
" small and poor, per doz.....	1 75 a 1 00
Geese, Eastern, spring, white, per lb.....	15 a 16
" " dark.....	13 a 14

FISH.

Cod, heads off.....	2 a 7
" heads on.....	2 a 2 1/2
Halibut.....	6 a 15
Striped bass.....	10 a 16
Bluefish.....	5 a 7
Eels, skinned.....	6 a 10
" skin on.....	3 a 8
White perch.....	7 a 8
Flounders.....	4 a 5
Salmon.....	9 a 15
Smelts, Kennebec.....	3 a 8
" green.....	3 a 8
Lobsters, large.....	12 a 15
" medium.....	6 a 7
Herrings.....	1 1/2 a 2
Red snappers.....	2 a 2
Mackerel, medium.....	6 a 8
" large.....	14 a 15
" Spanish.....	12 a 18
Shad, roes.....	
Scallops.....	
Soft crabs.....	35 a 50
Porgies.....	3 a 4
Weakfish.....	4 a 5

GAME.

We drop quotations for game, as there is only a small stock of frozen on hand. Market neglected, prices nominal.

BUTTER.

NEW BUTTER.

Creamery, Western, extras, per lb.....	15
" " firsts.....	14
" " seconds.....	13
" " thirds.....	11 1/2
" State, extras.....	15
" State, firsts.....	14
" " thirds to firsts.....	11
State dairy, half firkin tubs, extras.....	14
" " firsts.....	13
" " seconds.....	11
" " thirds.....	10 1/2
" Tubs, thirds.....	10
" Tins, etc.....	9
Western imitation creamery, fancy.....	12
" " firsts.....	10 1/2
" " seconds.....	9 1/2
" " thirds.....	8 1/2
" factory, extra (June packed).....	10 1/2
" " firsts.....	10
" " seconds.....	8 1/2
" " thirds.....	7 a 8

CHEESE.

NEW CHEESE.

State, full cream, large, colored, fancy.....	8 a 8 1/2
" " white.....	7 1/2 a 8
" " choice.....	7 1/2 a 7 3/4
" " fair to good.....	7 1/2 a 7 3/4
" " common.....	6 1/2 a 7
" " colored, small, fancy.....	8 a 8 1/2
" " white.....	8 a 8
" " small, choice.....	7 1/2 a 7 3/4
" " fair to good.....	7 a 7 1/2
" light skims, choice.....	5 1/2 a 5 3/4
" part.....	5 a 5 1/2
" " good to prime.....	4 a 4 1/2
" " common to fair.....	3 a 3 1/2
" full skims.....	2 a 2 1/2

EGGS.

State and Penn., prime to choice, per doz.....	14 a 14 1/2
" " fair to good.....	12 a 13
Mich., North. Ohio and North. Ind., fancy.....	13 1/2 a 13 3/4
Other Western, fair.....	11 a 12
Western, useful quality, case count, per doz.....	7 a 11
Western, dirties, sound, case count, per doz.....	5 a 7
Western, checks and cracks, per case.....	1 20 a 1 80
Refrigerator stock, good to choice, av. off.....	13

WANTED.~FOR SALE.~BUSINESS OPPORTUNITIES.

NOTICE.

Advertisements in this column to occupy one inch or less are inserted at the minimum rate of one dollar per insertion (one inch of eight lines or less). Fifteen cents per line for every additional line above eight lines. Double rates for headlines.

POSITIONS WANTED.

TRAVELING SALESMAN wants engagement September 1 with specialty house; has an extensive acquaintance with the grocery trade in New England and Middle States; New York references. Address "SALESMAN, 119," THE NATIONAL PROVISIONER, 284-6 Pearl street, New York.

WANTED—Position as collector in New York City among retailers, for packing house or other large concern. Can furnish best of references as to honesty and capability, and furnish bonds, if required. Address R. H. W., 2106, THE NATIONAL PROVISIONER, 284-6 Pearl street, New York.

AN all-round cotton oil man, which includes practical soap making, compound lard making, etc., is open for an engagement; highest references. Address COTTON OIL, box 6, care THE NATIONAL PROVISIONER, 284-6 Pearl street, New York.

THE LEADING PACKERS IN THIS COUNTRY, IN GREAT BRITAIN AND EUROPE SUBSCRIBE TO THE NATIONAL PROVISIONER. IT IS NOT NECESSARY TO ASK WHY.

FRANCE.

L. LAMMENS,
GENERAL COMMISSION
AND IMPORT
BROKER

SPECIALLY
OILS, GREASES, OLEO.

54 Rue Petites Ecuries,
PARIS.

LIVE & DEAD STOCK, ANIMAL PRODUCTS & GEN. PROVISION AGENTS & DEALERS
(correspondence solicited)
EDWD HEYMANS & FILS (PARIS)
(Etab^d 1872) 19, rue Béranger (FRANCE)

HELP WANTED.

BUTCHER wanted for first-class restaurant; must thoroughly understand the cutting of raw meats for restaurant use. Call prepared to work. R., Box 22, "The National Provisioner," 284-6 Pearl street, New York City.

BUTCHER wanted; young butcher who knows how to cut meat. M., Box 28, "The National Provisioner," 284-6 Pearl street, New York City.

WANTED—Assistant bookkeeper; must be young man, with experience in double entry; one acquainted with the provision business. Address, giving references and salary expected, X., 416, THE NATIONAL PROVISIONER, 284-6 Pearl street, New York.

FOR SALE.

FOR SALE.
6-Ton Refrigerating Machine WITH ENGINE.

Four and a Half Ton Refrigerating Machine
Belt Power.

Taken in Exchange for Larger Machines.
Also One Good Forty H. P. Boiler.

REMINGTON MACHINE CO., Wilmington, Del.

PRESSES FOR SALE CHEAP

Three Johnson Filter Presses, 36 Plates, 15 inches diameter, and
One Filter Press, 20 Plates, 18 inches square. Will stand 1,000 pounds to the square inch. Also One No. 3 Oleo Press.

JOSEPH LISTER,
1158-1160 Elston Avenue, Chicago.

CHOPPER FOR SALE

FOR SALE.—Good as new Buffalo Chopper with Mixer, cheap. C. DUERR, 55 Maurice street, Buffalo, N. Y.

MARKET FOR SALE.

A MARKET IN ONE OF THE BEST locations in a city of 50,000 inhabitants, and doing a business of over \$30,000 a year, is offered for sale. It has been established over forty years and has an excellent class of trade. For particulars, address S. L. F., 22-0, THE NATIONAL PROVISIONER, 284-6 Pearl street, New York.

CHALLEN'S BUSINESS BUREAU OF Information, of value to buyers of Challen's Labor Saving Records, ruled printed headings and indexed to keep data of every transaction. CHALLEN, No. 150 Nassau street, New York.

STOCKS OF PROVISIONS IN MILWAUKEE.

The following table shows the stocks of provisions in Milwaukee at the close of business July 31, 1897, together with those of the same time in 1896, for comparison:

	1897.	1896.
M. pork, winter, bbls...	15,330	1,624
M. pork, winter (old)...	6,662	5,789
Other kinds pork, bbls...	4,540	4,590
P. S. lard, cont'et, tes...	19,234	5,516
Other kinds lard, tes...	1,306	1,786
Short rib middles, lb...	7,093,440	5,483,937
Short clear middles, lb...	664,793	851,902
Extra short clear m. lb...	810,082	975,980
Long clear middles, lb...	92,698	110,094
Dry salted should's, lb...	149,126	159,913
Sweet P. should's, lb...	474,497	465,138
Sweet P. hams, lb...	4,866,290	3,284,974
Dry salted bellies, lb...	1,130,384	1,510,178
Sweet P. bellies, lb...	409,000	378,189
S. P. Cal. or Pic hams, lb...	730,548	619,040
S. P. skinned hams, lb...	460,200	141,300
Other cuts of meats, lb...	4,259,186	2,049,493
Total meats, lb...	21,140,261	16,030,138

A HANDSOME CATALOGUE.

The Blanchard Machine Co., of Boston, Mass., have issued their catalogue for 1897, a copy of which is before us. The catalogue describes in detail a number of important improvements in the line of disintegrator practice and illustrates an entirely new method of sifting and handling the ground material without the use of screens or auxiliary machinery of any sort. The catalogue, taken altogether, is a most comprehensive and interesting work, and will be of considerable value to those in need of machinery in the Blanchard company's line. The disintegrators of this company are intended for grinding all brittle materials that are not too hard, like rock. It is especially adapted for grinding bone, borax, caustic soda, chemicals, clay, cracklings, glue, linseed cake, meat scraps, potash, salt, salt cake, soap powder, soda ash, soda, soft phosphates, sugar, tankage and similar materials. The capacity of the machine is governed by the following conditions: Fineness of grinding, hardness of material, speed at which the machine is run and amount of power available. For packing house work, grinding tankage and steamed bone a 24-inch machine will easily do five or more tons per hour. The catalogue is concluded with the printing of several pages of unsolicited testimonials of the machine's durability and efficiency. The Blanchard Machine Co. are pleased at all times to answer inquiries as to grinding materials of all kinds, and to furnish plans and estimates free of charge. Correspondence is invited.***

THE BUTCHERS' AND PACKERS' ACADEMY AT WORMS-ON-THE-RHINE.

Attention is called to the advertisement on page 12 of this issue of the Butchers' and Packers' Academy at Worms-on-the-Rhine, Germany. It is a noteworthy fact that there is established such a school where the art of cutting up meat is defined in all its manifold details. Graduates from such a school are well equipped to give future employers perfect satisfaction. Prospectus and programmes for the coming season can be had upon application to the Board of Directors.***

FOR SALE:—

BEEF REFRIGERATOR IN SCHENECTADY, N. Y.

Scales, Tracks and Fittings Complete in Every Respect. Stable in connection. Everything in first-class shape. House but one year old.

Address G., Box 214, "THE NATIONAL PROVISIONER," 284-6 Pearl Street, New York City.

BUTCHERS' SUNDRIES.

Fresh Beef Tongue	45c
Calves' heads, scalded	35 to 40c a piece
Sweet breads	25 to 30c a pair
Calves' livers	30 to 45c a piece
Beef kidneys	10 to 15c a piece
Mutton kidneys	3c a piece
Livers, beef	40 to 60c a piece
Oxtails	6 to 8c a piece
Hearts, beef	15 to 20c a piece
Boils, beef	10 to 12c a lb
Butts, beef	6 to 8c a lb
Tenderloins, beef	25 to 35c a lb
Lamb fries	10c a pair

BONES, HOOF, HAIR AND HORNS.

Round shin bones, dry, 50 pieces to 100	\$56.00
Flat shin bones, dry, 43 pieces to 100	42.00
Thigh bones, 75 pieces to 100	75.00
Hoofs	22.00
Horns, 7 1/2 ounces and over	145.00
" 7 1/2 ounces and under	119.00
No. 3	60.00
Clawstock, per 100 lbs.	90c
Hair tails	3 1/2c

GREEN CALF SKINS.

Veal Skins, No. 1	16
Veal Skins, No. 2	15
Buttermilk, No. 1	11
Buttermilk, No. 2	9
Kips, No. 1, Heavy, 18 lbs. and up	2.10
Kips, No. 1, Light, 14 lbs. and up	1.80
Kips, No. 2, Heavy	1.80
Kips, No. 2, Light	1.40
Buttermilk Kips	1.40
Branded Kips	1.20
C. S. No. 3	40
Bobs	28

SHEEPSKINS.

City market better; country no change. We quote: Shearlings, 55c.; lamb skins, 60c. to 80c.; dry salted country pelts, 35c.; lamb skins, 50c.

BUTCHERS' FAT.

Rough butcher's fat	1 1/2
Inferior	1
Suet, fresh and heavy	2 1/2
Shop bones (per cwt.)	30

SAUSAGE CASINGS.

Sheep, imported, wide, per bundle	64
" " " " " " " " " " " "	32 00
" " " " " " " " " " " "	50
" " " " " " " " " " " "	34
" " " " " " " " " " " "	12
Hog, American, " " " " " " " " " " " "	13
" " " " " " " " " " " "	14
" " " " " " " " " " " "	14
Beef guts, rounds, per set (100 feet), f.o.b. N. Y.	14
" " " " " " " " " " " "	13
" " " " " " " " " " " "	3 4
" " " " " " " " " " " "	6
" " " " " " " " " " " "	5 1/2
" " " " " " " " " " " "	4 6
" " " " " " " " " " " "	4 4
" " " " " " " " " " " "	6 1/2
" " " " " " " " " " " "	5
" " " " " " " " " " " "	2 3
" " " " " " " " " " " "	12 20
Russian rings	12 20

SALTPETRE.

Crude	3 1/2
Refined—Granulated	4 1/2
" " " " " " " " " " " "	4 1/2
" " " " " " " " " " " "	4 1/2
" " " " " " " " " " " "	5 1/2

SPICES.

	Whole	Ground
Pepper, Sing. Black	8	9
" " " " " " " " " " " "	12	13
" " " " " " " " " " " "	15	15
" " " " " " " " " " " "	9	9
Allspice	8	10
Coriander	4	4
Cloves	10	12
Mace	45	50
Nutmeg, 1 lb.	45	50
Ginger, Jamaica	25	28
" " " " " " " " " " " "	8	10
Sage Leaf	9	10
" " " " " " " " " " " "	12	12
Marjoram	25	25

A special book for keeping accounts of your coupon customers has been devised and is for sale by J. P. Forbes, Coshocton, Ohio, the manufacturer of the popular indexed coupon books. It is so desirable and convenient that it will be sent you on approval, to be returned if not satisfactory. An entire account is kept on one line whether it is for one dollar or fifty dollars. Send for booklet describing it.***

The Fertilizer Market.

NEW YORK MARKET.

The market in general rules quiet, and orders for most descriptions are mainly for jobbing lots, there being very little call for large parcels. Potash salts are naturally quiet at this season of the year, new contracts being scarce, as manufacturers are supplying their wants from deliveries of former orders. There is a moderate inquiry for dried blood at Western points, but other ammoniates are quiet. There is very little inquiry for nitrate of soda, but the market spot parcels remain about steady, while prices for arrivals are easier in tone. We quote:

Ground bone, fine average, per ton	\$18 00	\$21 00
Kainit, future shipment, per 2,000 lbs.	8 50	8 90
Kainit, ex store, in bulk	8 50	8 90
Keiseret, future shipments	7 25	7 50
Muriate potash, 80 per cent., fut. ship	1 75	1 78
Muriate potash, 80 p. c., ship, ex store	1 78	1 86
Nitrate of soda, spot	1 67 1/2	1 70
Nitrate of soda, futures	1 65	1 70
Double manure salt (48 a 49 per cent. less than 2 1/2 per cent. chlorate), to arrive, per lb. (basis 48 per cent.)	1 01	1 01 1/2
The same, spot	1 02	1 03
High grade manure salt (90 a 98 per cent. sulphate potash), to arrive (basis 90 per cent.)	1 96 1/2	2 00 1/2
Manure salt in bulk, 24 a 26 per cent., per unit O. P.	36 1/2	37 1/2
Bone black, spent, per ton	16 00	16 50
Ammon. superphos., high grade	25 00	26 00
Dried blood, New York, high grade, fine ground	1 65	1 67 1/2
Dried blood, West., high gr., fine ground	1 55	1 60
Tankage, per ton	13 50	14 00
Azotins, per unit	1 65	1 70
Fish scrap, wet (at factory), f. o. b.	8 50	9 00
" " dry " " "	17 50	18 00
Sulphate ammonia, gas, per 100 lbs.	2 07 1/2	2 10
Sulphate ammonia, bone, per 100 lbs.	2 05	2 07 1/2
South Carolina phosphate rock, ground, per 2,000 lbs.	5 50	5 75
South Carolina phosphate rock, undried, f. o. b. Ashley River, per 2,400 lbs.	3 25	3 45
The same, dried	3 25	3 45

BALTIMORE FERTILIZER MARKET.

The market has been comparatively quiet the past week for ammoniates. Prices are very firm. We quote: Ground blood, 1.60 per unit f. o. b. Chicago and Kansas City; crushed tankage, 1.35 per unit f. o. b. Chicago; hoof meal, 1.35 per unit f. o. b. Chicago; high-grade crushed tankage, 9 1/2 and 5, 14.00 f. o. b. Chicago; high-grade crushed tankage, 9 1/2 and 18, 14.00 f. o. b. Chicago; crushed tankage, 8 and 20, 12.50 to 13.00 f. o. b. Chicago; crushed tankage, 7 and 30, 11.00 to 11.50 f. o. b. Chicago; crushed tankage, 8 1/2 and 13, 12.00 f. o. b. Kansas City; crushed tankage, 7 and 30, 10.00 f. o. b. Kansas City; crushed tankage, 9 and 20, 1.65 and 10 Baltimore and New York; foreign gas liquor sulphate of ammonia, 2.05 per unit c. l. f. New York and Baltimore.

THE GLUE MARKET.

There is an improving demand, though no activity, and prices show a hardening tendency. The stock on hand is ample, however, for present requirements. We quote:

A Extra, white	22c
1 Extra " " " " " " " " " " " "	18c
1 " " " " " " " " " " " "	18c
1 " " " " " " " " " " " "	14c
1 1/2 " " " " " " " " " " " "	13 1/2c
1 1/2 " " " " " " " " " " " "	13c
1 1/2 " " " " " " " " " " " "	12c
1 1/2 " " " " " " " " " " " "	10c
1 1/2 " " " " " " " " " " " "	9c
1 1/2 " " " " " " " " " " " "	8c
1 " " " " " " " " " " " "	7c

CHEMICALS AND SOAP MAKERS' SUPPLIES.

74 per cent. caustic soda, 2.15c. for 60 per cent.; 76 per cent. caustic soda, 2.30c. for 60 per cent.; 60 per cent. caustic soda, 2.50c. pound; 98 per cent. powdered caustic soda, 4c. pound; sal soda, 75c. per 100 pounds; carbonate of potash, 4 1/2c. pound; caustic potash, 4 1/2c. pound; borax, 6c. pound; talc, 1 1/2c. pound; palm oil, 4 1/2c. pound; palm kernel oil, 5c. pound; yellow olive oil, 5 1/2c. gallon; green olive oil, 5 1/2c. gallon; green olive oil foots, 4 1/2c. pound; Cochon cocoanut oil, 6 1/2c. pound; Ceylon cocoanut oil, 5 1/2c. pound; cottonseed soap stock, 7 1/2c. pound; rosin, 22 1/2c. per 280 pounds.

CHICAGO MARKETS.

LARDS.

Prime Steam	4 1/2
Neutral	5 1/2
Compound	4

STEARINES.

Oleo-stearines	4 1/2
----------------	-------

OILS.

Lard oil, Extra	33
" " " " " " " " " " " "	30
" " " " " " " " " " " "	25
" " " " " " " " " " " "	24
Oleo oil, "Extra"	6 1/2
Neatsfoot Oil, Pure	45
" " " " " " " " " " " "	35
" " " " " " " " " " " "	31

TALLOW.

Tallow Oil	32
Packers' Prime	3 1/2
No. 2	2 1/2
Edible Tallow	3 1/2

GREASES.

Brown	2
Yellow	2 1/2
White	3
Bone	2 1/2

BUTCHERS' FAT.

Rough shop fat	1 1/2
Inferior or black fat	1 1/2
Suet	2 1/2
Shop Bones, per 100 lbs.	30

COTTONSEED OIL.

P. S. Y., in tanks	22
Crude	20
Butter oil, barrels	28

FERTILIZER MARKET.

Dried blood, 16 to 17 units	1.00	Ugno, f. o. b.
Hoof meal, per unit	1.35	"
Concent tankage, 14 to 15 p. c. p. unit	1.35	"
Unground tankage, 10 to 11 p. c. p. ton	14.40	"
Unground tankage, 9 & 20 p. c. p. ton	14.00	"
Unground tankage, 8 & 20 p. c. p. ton	12.50	"
Unground tankage, 7 & 30 p. c. p. ton	10.90	"
Unground tankage, 8 & 25 p. c. p. ton	9.80	"
Bone meal, per ton	18.00	"
Bones, rough, "packers"	16.50	"
Steamed bone meal per ton	15.00	"
Ground tankage, \$1 per ton extra		"

HORNS, HOOF AND BONES.

Horns No. 1	\$170 per ton 65-70 lbs. average
Hoofs	\$19.00 to \$21.00 per ton
Round Shin Bones	\$60.00 to \$65.00 " "
Flat Shin Bones	\$57.50 " "
Thigh Bones	\$90 per ton, 90-100 lbs. average

PACKERS' SUNDRIES.

Fork loins	4 1/2
Pocket Pieces	4
Tenderloins	12 1/2
Spare ribs	4 1/2
Trimming	4 1/2
Ham Trimmings	4 1/2
California Butts	5 1/2
Boston Butts	5 1/2
Cheek Meat	3 1/2

CURING MATERIALS.

Sugar in New Orleans is quoted as follows:	
Pure open kettle	2 1/2 a 2 3/4
White, clarified	3 1/2
Plantation granulated	3 1/2

COOPERAGE.

Barrels	67 1/2
Lard tierces	75

CHICAGO LIVE STOCK.

RECEIPTS FOR WEEK ENDING AUGUST 9.

	Cattle	Calves	Hogs	Sheep
August 3	4,625	1,253	14,933	11,289
" 4	13,865	632	27,497	18,730
" 5	13,621	801	32,178	12,659
" 6	6,914	800	34,306	7,279
" 7	186	12	20,024	2,872
" 9	17,500	300	31,000	18,000
Total	56,711	3,198	159,938	70,439
Previous week	63,729	3,344	148,488	78,580
Same week, '96	51,411	2,058	86,013	63,609
" " " "	52,367	4,787	68,942	72,908

Average weight of hogs last week 242 lb., the heaviest of the year. Average the previous week, 241 lb.; one month ago, 235 lb.; two months ago, 238 lb.; corresponding week last year, 244 lb.; two years ago, 235 lb.

BUTCHERS.

The following Mortgages on Butchers' Fixtures, Bills of Sale, etc., have been recorded during the past week up to Saturday, August 7, 1897. They are a reprint of our Advance Sheet, sent out to houses on August 7, who subscribe to same.

NEW YORK CITY.

Brodwerkel, Geo. & Son, 727 3d av.; to Herman Burdewick	100
Bercu & Levin, 97 Ludlow st. and 166 Orchard st.; to L. Greenberg	50
Froelke, Hy., 1491 Lexington av.; to Harlem Beef Co.	141
Garms & Scheig, 1610 2d av.; to J. A. Raab	110
Gellis, Max, 320 East Houston st.; to M. Levin	40
Kopp, H. & W., 5 Lawrence st.; to W. Bothe	165
Rosenzweig, Jonas, 142 Forsyth st.; to O. Heinrich (Ice Wagons)	250
Sams, Adam, 319 East 53d st.; to Sebastian Wagon Co.	100
Schoen, Max, 125 Sheriff st.; to I. Schwartz	125

Bills of Sale.

Herzog, Arthur, 107 West 100th st.; to O. F. Henning	250
Rosenzweig, Jonas, 172 Forsyth st.; to B. Braustein (Ice Wagons)	1

KINGS COUNTY.

Goetz, Joseph, 155 Franklin av.; to Chris. J. Stock	120
Lutz, Chas., Linwood st., cor. Sutter av.; to C. Walter	350

HEVERT & WEISBART,

Wholesale Dealers in

VEAL and MUTTON

CORNER HENDERSON & 20th STREETS,
JERSEY CITY, N. J.

Do you want to purchase a **NATIONAL CASH REGISTER** AT ONE-HALF ITS VALUE? or EXCHANGE your old Register for a better improved one at a small difference in cash? Bear in mind the goods offered at 124 EAST 14th STREET, NEW YORK, are equal to any shown elsewhere at a much higher price. **TWO YEARS' GUARANTEE** given with each Register. **REPAIRING** done at a very reasonable figure. **SUPPLIES** cheaper than elsewhere.

F. BRAININ.**A. E. MACADAM, BUTCHERS' ROLL AND FLAT PAPER**

Paper Bags, Twines, Butter Dishes and Boxes of every description.

265 GREENE AVE., BROOKLYN.
TELEPHONE 226 BEDFORD.

THE RED BOOK.**"ECLIPSE"**
Silent Meat Cutting Machines

Are conceded by the Trade, both in this country and Europe, to be

THE BEST MACHINES EVER PUT ON THE MARKET.

MANUFACTURED AND SOLD BY

DUNCAN MACKENZIE, Union Iron Works

HAMILTON AVENUE, TRENTON, N. J.

Sold also by **WOLF, SAYER & HELLER,**
Fulton and Peoria Streets, Chicago, Ill.
and 130 Pearl Street, New York.

SEND FOR CATALOGUE.

GROCERS.

The following Mortgages on Grocers' Fixtures, Bills of Sale, etc., have been recorded during the past week up to Saturday, August 7, 1897. They are a reprint of our Advance Sheet, sent out to houses on August 7, who subscribe to same.

NEW YORK CITY.

Berlesen, N., 883 3d av.; to J. Glassberg	150
Helken, Hy., 1732 Amsterdam av.; to C. Muller	2,500
Jordan, T. L., 104 8th av.; to C. W. Rhoads (Butter Store)	400
Spector, Max, 68 and 70 Stanton st.; to N. Germise (Butter Store)	170

Bills of Sale.

Behrens, Heinrich, 449 West 52d st.; to Cath. Behrens	150
Benson, Cath., Av. D and 9th st.; to John Benson	100
Eisler, Adolph, 139 Delancey st.; to L. Pfamm (Restaurant)	200
Hinck, C. H., 94th st. and 2d av.; to E. David	1,500
Koeb, John, 1396 Boston av.; to W. Cronmeyer	1
Kozeluh, Caroline, 423 East 63d st.; to J. & F. Holub	410
Mitchell, Frank, 104 Christopher st.; to J. Marratt (Restaurant)	100
Torre, Eusebio, 138 West Houston st.; to E. Pozzo (Restaurant)	1,600
Vogel, Morris, 113 Av D.; to S. Weisburger	250
Wesoky & Spector, 68 and 70 Stanton st.; to I. Rosenblum	500

KINGS COUNTY.

Stewart, G. E., 638 Fulton st.; to L. Bradt	542
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Bills of Sale.

Gedicks, H., 16th av. and 61st st.; to G. Kircher	175
Mahland, F. W., Broadway and Moffat st.; to J. H. Kucks	nom
Moschettini, L., 64 Columbia st.; to L. Baca (Restaurant)	300
Martens, P., Broadway and Walton st.; to H. Mahnen	447
Penton, W. J., & Co., 118 5th av.; to Ritta A. Penton	nom
Reiss, W., 167 Greenpoint av.; to Fredk. Reiss	600

HUDSON COUNTY.

Cuddihy, J. J., Hoboken; to J. H. Mohlman & Co.	677
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NOTE.—The above information will be furnished on a special advance sheet one week ahead of this publication to all those who may desire to order it. Price, \$2.50 per year, 52 weekly sheets.

A practical work on Ammonia Refrigeration. Send One Dollar (\$1.00) to THE NATIONAL PROVISIONER, and we will send you one copy of Redwood's Theoretical and Practical Ammonia Refrigeration. 146 Pages, cloth bound.

Good Meat Alone

is not enough. The butcher who wishes to build up a big trade must have a nicely furnished shop. The man who has

An Up-to-date Shop

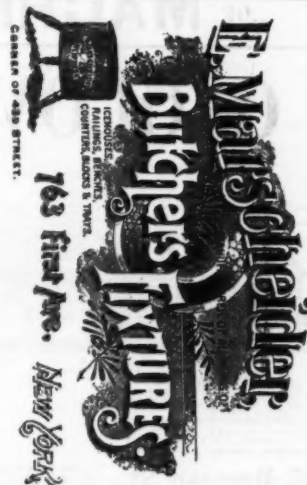
will get the up-to-date trade. Customers like to see attractive refrigerators, modern machinery and handy tools.

All Butcher Fixtures

of the latest and best make, as well as refrigerators and tools, are manufactured by

T. FARRELL,

328 West Forty-First Street,
NEW YORK CITY.

**BRETTLER & BERGER,**

Manufacturers of

BUTCHERS' FIXTURES

Butter Boxes and Ice Houses
of every description.

676 Flushing Ave., Bet. Tompkins
and Throop Aves. Brooklyn, N. Y.
ALL KINDS OF OFFICE WORK.

Telephone, 712 WILLIAMSBURG.

E. F. M. WENDELSTADT,

EXPORTER,

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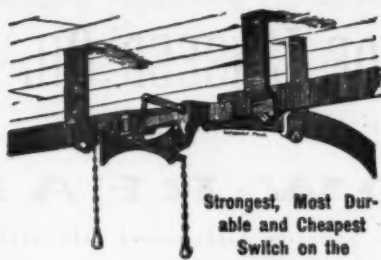
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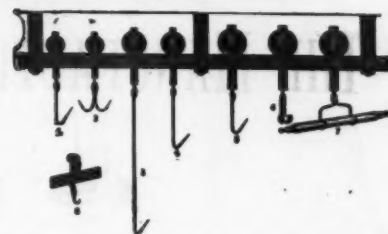


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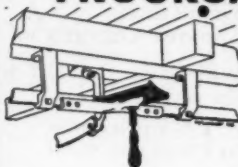
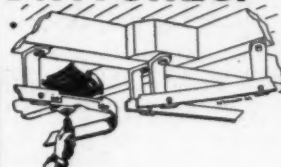
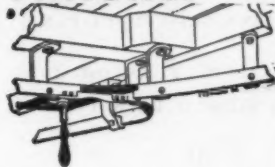


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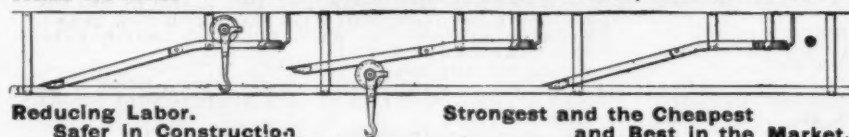


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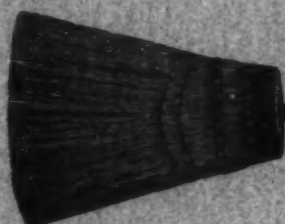
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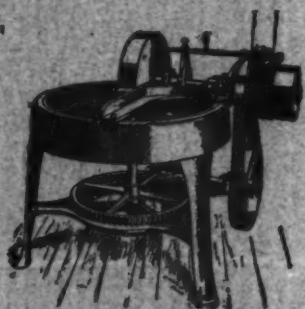
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